JAN 3 1956

Volume 169 No. 1

Oil, Paint and Drug Reporter

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January 2 1956

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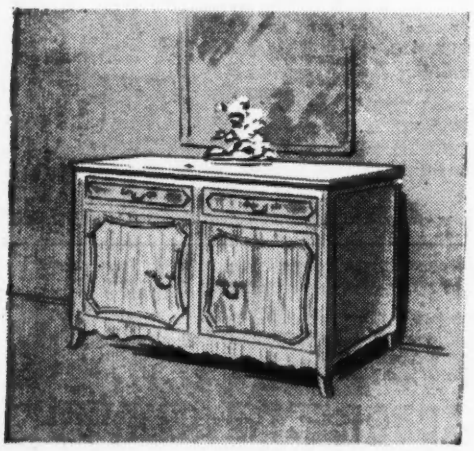

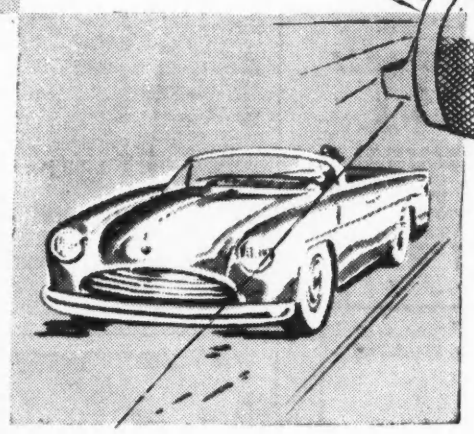

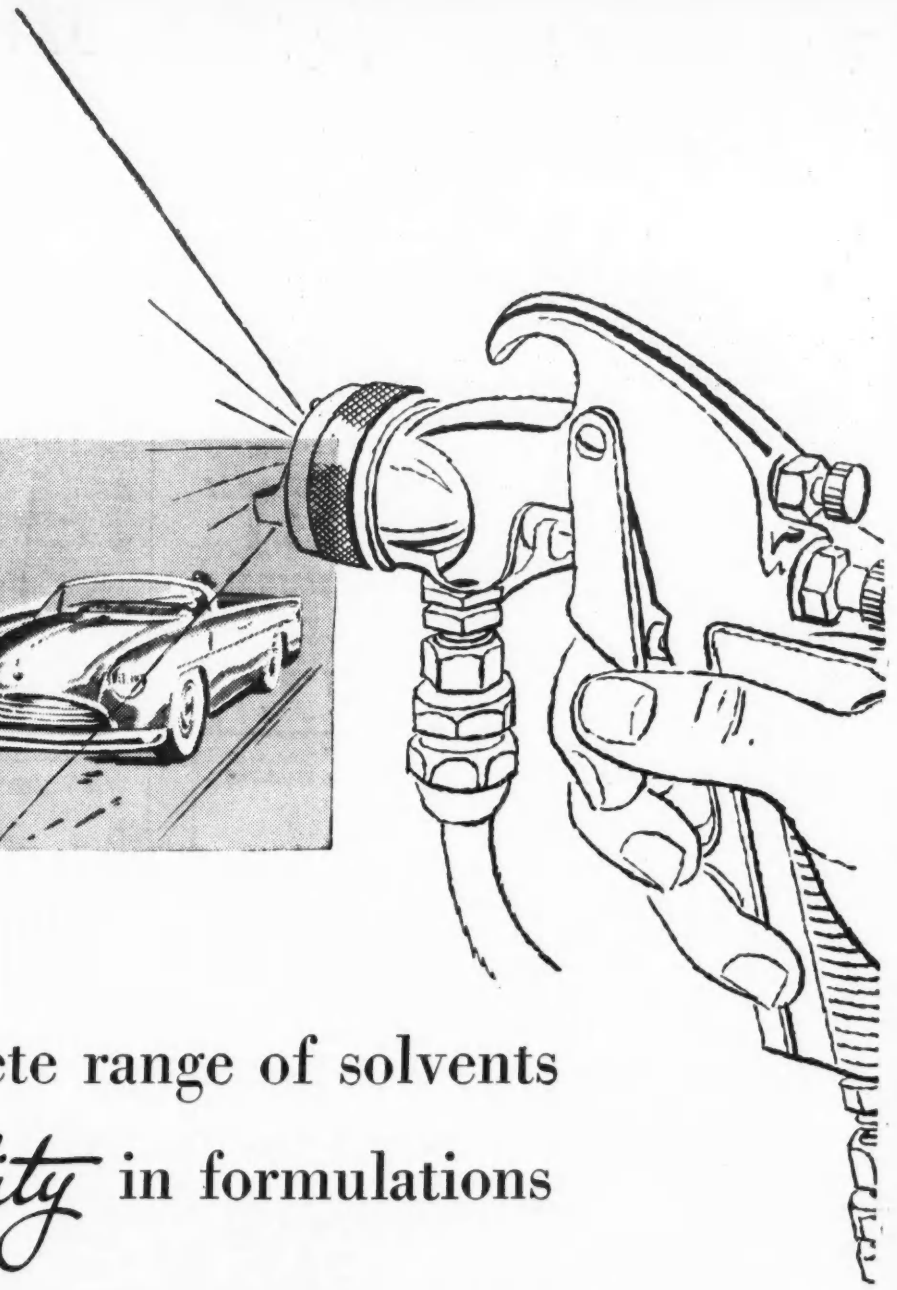

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Oil, Paint and Drug Reporter

Vol. 169 No. 1 30 Church St., New York 7, N. Y. January 2, 1956

BDSA Sees Peak Sales

Chemical industry sales in the first half of 1956 should be around $12 billion, Business and Defense Services Administration predicted last week.

This would continue the industry's current record volume and compare with the new all-time high of $11.5 billion established in the first half of 1955. Total 1955 chemical sales are now estimated at $23.3 billion, BDSA said.

The agency indicated its forecast was based on a number of factors—generally low inventories, new plants and equipment and a continued high level of industrial activity anticipated by industries making extensive use of chemical products.

The BDSA outlook for the coming year dovetails with that of Dow Chemical Company, Midland, Mich., which sees in 1956 an even better year for business than was 1955. However, Dow feels a slightly different pattern will emerge.

Dow believes that 1956 will start with a rush, but that business could slow down before the end of the year. Dow does not see a decline in the economic curve, but rather what it calls the possibility of "some flattening."

Plastics production of 3.5 billion pounds in 1955, 35 percent over 1954 and a new record, will be at least equalled or very likely topped, according to Herbert W. Mason, jr., administrative vice-president of Reichhold Chemicals, Inc., White Plains, N. Y.

George C. Miller, president of Bakelite Company, New York, a division of Union Carbide & Carbon Corporation, estimates that polyethylene capacity by the end of 1956 will reach or exceed 600 million pounds. Polyethlene sales in 1955 are put at between 350 and 400 million pounds, a gain of about 45 to 50 percent over 1954.

The paint industry's consistent month-by-month gains in 1955 will continue in 1956. So says Arthur W. Steudel, president of the Sherwin - Williams Company, Cleveland, Ohio.

The petroleum industry can expect to be called upon to meet another increase of about 4 percent in US oil consumption, Eugene Holman, chairman of Standard Oil Company (New Jersey), New York, predicted. "Elsewhere in the Free World," he said, "our forecasts indicate a gain of around 7 percent."

Additives Curbs Top List Of Chemical Industry Issues On Congressional Agenda

New legislation to control the use of food additives heads a long list of bills of direct interest to the chemical industry due to be taken up by congress this year. At least two new measures dealing with the food additives subject are to be dropped into the hopper during the early weeks of the second session, which gets under way tomorrow. While no firm commitments have been given, congress will probably start consideration of the matter some time in February.

One of the bills is a so-called "compromise" measure worked out by certain segments of the food industry. The measure, which favors strict controls over the introduction of new additives, proposes use of the declaratory judgment approach in enforcement. Rep. Joseph O'Hara of Minnesota will sponsor the legislation (OPD, 12/19/55).

Revision of Rep. Miller's Earlier Bill

The other bill is a revision of an earlier measure of Rep. A. L. Miller of Nebraska. It provides for both administrative orders and injunction procedures in enforcement.

However, it would not impose the same heavy burden on manufacturers of wrappings or containers to prove the safety of their products as it would on manufacturers of products which go directly into the processing of foods.

Food additives measures introduced at the last session of congress were all referred by the house interstate commerce committee, as is the custom, to three governmental agencies — Department of Health, Education and Welfare, Department of Commerce and Department of Agriculture—for reports. None of the departments has reported back to the committee as yet.

At least three matters of immediate concern to the drug and pharmaceutical manufacturers are scheduled for debates and action during the session. These have to do with tightening controls over habit-forming drugs, health research and continuance of the polio vaccine program.

It is anticipated that the administration may offer a bill early in the session that will set up a system of licensing for manufacturers of synthetic narcotics, so that

—Continued on page 62

Walter A. Hensel, general manager of General Aniline & Film Corporation's Ozalid division at Johnson City, N. Y., has been elected a GAF vice-president.

FTC, Justice Dep't Charged With Being Negligent on Mergers

Pointing out that the tide of corporate mergers in this country has been rising with no sign of abatement, a subcommittee of the house judiciary subcommittee last week charged the Federal Trade Commission and the Department of Justice with being negligent in enforcing the antitrust laws against mergers. At the same time the subcommittee's report was released, assistant Attorney General Stanley N. Barnes made public a report showing that the activities of the antitrust division of Justice had been stepped up during 1955 against "significant restraints on the freedom of our competitive economy."

Also, it was reported, the Federal Trade Commission is preparing to ask congress for an increase of $1,000,000 in its budget for anti-merger work in the new fiscal year starting next June 30.

Criticism from Democrats Only

Criticism expressed by the house unit of enforcement activities by the two government agencies was leveled only by the Democratic members of the committee.

The three Republicans blasted back with a charge that the "token or less" enforcement of the anti-merger act existed only prior to the change in administration in January, 1953.

The majority report of the subcommittee described the "tide of corporate mergers" as one of the most ominous

—Continued on page 62

William E. Hecht, advertising manager of Corn Products Sales Company, New York, has been elected a vice-president.

TVA Stressing New Fertilizer Now

The fertilizer work of the Fertilizer-Munitions Development Center at Muscle Shoals, Ala., was marked by the beginning of factory-scale production of a new material, diammonium phosphate, during fiscal year 1955, Tennessee Valley Authority stated in its twenty-second annual report, made public last week.

The significance of the product, TVA said, is its exceptionally high plant nutrient content — 21 percent nitrogen and 53 percent P_2O_5 (phosphorus pentoxide) for a total of 74 percent plant nutrient. By com-

—Continued on page 63

Lueders & Co. Not for Sale

What was described as a "persistent" rumor that George Lueders & Co., New York essential oils house, is up for sale, was emphatically denied last week by the company's president, Frederick J. Lueders. As a matter of fact, he said, "business continues to be very good."

Boron Compounds Added To BFC's Positive List

Boron powder and weed killers consisting primarily of boron compounds (borates, or borax) have been added to the positive list of products which can only be exported from the United States under validated licenses, it was announced last week by the Bureau of Foreign Commerce.

The agency also announced that it had removed human gamma globulin from the positive list and this product may now be shipped under general licenses to all destinations except Hong Kong, Macao and Red China areas.

The provisions of general license GIFT also were revised to permit gamma globulin in dosage form to be included in gift parcels of which the combined total domestic retail value of all commodities is $50 or less.

Koppers to Spend $25 Million On Expansion Plans in 1956

Koppers Company, Pittsburgh, Pa., will invest approximately $25,000,000 in 1956 to continue a five-year expansion program launched in 1955, Fred C. Foy, president, said last week.

Investments during the year will be made through acquisition, in the expansion and improvement of existing facilities, and in the construction of new plants.

Chromium Chemicals Unit To Be Built by British Firm

British Chrome & Chemicals, Ltd., Stockton-on-Tees, England, plans to build a large-scale plant for the production of sodium bichromate and other chromium chemicals.

According to the company, the plant will be entirely new, embodying basic changes in process worked out in the firm's research laboratories over the past few years.

The facility will be completely mechanized and largely automatically controlled, and, British Chrome & Chemicals says, it is intended to be the most advanced installation of its kind in the world.

Petrochemical Project Set

British Petroleum Company, Ltd., plans to make new inroads into the petrochemicals production field, the firm's year-end statement reveals. Cost of this expansion program, which includes increasing the output of present products and widening of the company's product line, is expected to hit the $22 million mark.

Dry Color Firms Refused Right to Plea

Defendant companies in the government's antitrust action against the dry colors industry have been refused the right to enter pleas of nolo contendere by the United States District Court for the Southern District of New York.

In a formal opinion handed down December 16, Judge Weinfeld supported a position taken by the Department of Justice that a nolo plea would be an inadequate answer to the charges in the case. He said that the results would be "just a slap on the wrist."

It was explained at the department that a plea of nolo contendere simply means a plea of no contest without an admission of guilt. The penalty is usually a small fine in such cases. The department opposed the entry of such a plea in this case because it thought the charges were serious enough to require a heavier penalty.

Counsel for the department argued before Judge Weinfeld that in addition to payment of a fine the defendants should be required to face the consequences of a heavier penalty such as the stigma that attaches to a finding of guilty, if proven.

Assistant Attorney General Stanley N. Barnes told OPD that it is now a policy of the department to oppose the entry of nolo contendere pleas in antitrust cases unless there are some unusual circumstances involved, such as ill health or age of defendants, or the fact that the in-

—Continued on page 54

Nickel Plant Will Be Probed

A subcommittee of the house government operations committee plans to hold hearings later this month on the expansion of the government's $100,000,000 nickel plant at Nicaro, Cuba.

Rep. Jack Brooks of Texas said that the subcommittee is interested in checking further into charges that Edmund F. Mansure, administrator of the General Services Administration, let political friendship influence his decisions in the expansion program.

About $43,000 is being spent by the government to enlarge the production facilities at Nicaro. Mr. Brooks said that the subcommittee wants to know why National Lead Company, New York, was given the contract to expand the facilities when it is not a construction company.

Another curious fact that needs looking into, he said, is that Nickel Processing Corporation, a National Lead subsidiary, is getting $400,000 a year to operate the installation, while Freeport Sulphur Company, the former operator, got only $150,000 a year.

GSA spokesmen recalled that the transaction had been investigated on two previous occasions by congressional committees, and described the charges as "old stuff." They said that the agency would welcome the chance to tell the story again.

Zirconium Production Now Private Industry's Job Alone

Bureau of Mines, until 1954 principal supplier of zirconium required by the Atomic Energy Commission and the navy, has handed the production job over to private industry and is working on research aimed at increasing the metal's usefulness. The process used to make zirconium was developed in the bureau's laboratories by Dr. William J. Kroll, a metallurgist who had escaped his native Luxembourg before the Nazi invasion.

James E. Koffenberger has been named administrative assistant to its executive director of sales by Eli Lilly & Co., Indianapolis, Ind.

Commercial production of the metal climaxed a decade of research and development begun early in 1945 at the bureau's Northwest Electrodevelopment Laboratory in Albany, Ore.

When metallurgists there started looking for a way to produce the metal in volume it was little more than a laboratory curiosity, made in small quantities by a slow and costly iodide process.

Originally Used for Titanium

The modified Kroll process, originally developed for making strong, lightweight titanium metal, seemed to offer the most promise as a zirconium production method. In this process, molten magnesium is used to win the metal from its compounds.

Titanium and zirconium are similar in many ways. Both absorb impurities from air, so extracting and melting must be performed in a vacuum. Both are temperamental and will burst into flame dur-

—*Continued on page 58*

Sterling Unifies Its Proprietary Sales

Sterling Drug, Inc., New York, has unified the sale and distribution of all the proprietary products of its Bayer, Centaur-Caldwell, and Chas. H. Phillips divisions through a newly organized National Brands division.

The consolidation brings the separate sales forces of the divisions into one unit, which will handle sales for the three former sales units.

The plan and organization of National Brands division was developed under supervision of H. M. Manss, head of the Bayer division.

Senior vice-presidents of the new unit are O. W. Ergenzinger and S. I. Clark, vice-presidents in charge of the Phillips and Centaur-Caldwell divisions, respectively

A. J. Burns has been named vice-president in charge of sales.

Gen'l Mills Picks New V.P.

General Mills, Inc., Minneapolis, Minn., has appointed Sewall D. Andrews, jr., general manager of the firm's soybean division, a vice-president of the company. Mr. Andrews, with General Mills since 1930, became general manager of the soybean division in October.

Miller Law's Effective Date Extended for Two Pesticides

Food and Drug Administration last week extended the effective date when the Miller pesticide law becomes fully effective with respect to two pesticide chemicals.

The extensions apply to "MGK 264," a product of McLaughlin Gormley King Company, Minneapolis, Minn., also known as N-oxtylbicyclo (2.2.1)-5-heptene-2,3-dicarboximide, for use in fly sprays, and "Sulfoxide," a product of S. B. Penick & Co., New York, also known as N-oxtyl sulfoxide of isosafrole, for use in fly sprays.

The new effective date when the requirements of the law that residue tolerances must be established for these two chemicals is March 1. FDA explained that the extension was granted at the request of the two companies because the uses made of the chemicals are considered nonseasonal.

California Standard, Texaco Acquire Philippine Oil Rights

Standard Oil Company of California, San Francisco, and Texas Company, New York, have acquired exploration rights to seven areas in Cagayan Valley of northern Luzon in the Philippines. The concessions cover a total of more than 1,000,000 acres.

Each firm through wholly owned subsidiaries has received an undivided half-interest in the concessions. Their exploration will be carried on jointly by California Asiatic Oil Company, a California Standard subsidiary, and by the Texaco Overseas Petroleum Company, a Texaco subsidiary.

In This Issue

Association News

ACS Names Connor Chairman..... 5
Agricultural Group Names NPFI Man.. 47
Chi. Cosmetic Chemists to Hear Speech. 51
NARD Convention Planned..... 7
Trade Board Elects..... 5

Government News

Additive Bills Head List..... 3
AEC to Use Bids for Uranium..... 7
BDSA Sees Peak Sales..... 3
Boron Compounds on Positive List..... 3
Copper Quotas the Same..... 4
Dry Color Firms Refused Plea..... 3
FDA to Allow Sale of Hexadenol..... 7
FTC, Justice Dep't Charged..... 3
Miller Law Date Extended..... 4
Nickel Plant Will Be Probed..... 3
Radiation Control Course Slated..... 46
Transport Legislation Hit..... 3
TVA Stressing New Fertilizer..... 3

Industry News

Allied to Move Offices..... 46
Alum Plant Planned..... 34
American Molding Powder Building..... 5
Baker Completes Facilities..... 7
Chromium Chemical Unit to Be Built..... 3
Dodge & Cleott Moves in Chicago..... 51
Dow Opens Buffalo Office..... 46
Dow to Spend $75,000,000..... 5
Eaton Chemical Announces Changes..... 58
Ferro Plans Expansion..... 5
Granular Fertilizer Plant Being Built.. 54
Hercules Announces 4 Retirements..... 47
Ion Exchange Resins Discussed..... 54
January 1 Changes..... 5
Koppers to Spend $25,000,000..... 3
Liquid Carbonic Buys Firm..... 5
Lueders Not for Sale..... 3
Mac-Lac Company Relocates..... 49
Mono-Pentaerythritol Offered..... 4
Peanut Import Quota Filled..... 54
Perkin Acquires Warren..... 46
Schering Names Audit Mgr..... 46
SOCMA to Hear Psychiatrist..... 4
Sodium Dispersion Units Available..... 34
Solvay Marks 75th Year..... 5
Welch, Holme Picks Manager..... 4
Sterling Unifies Proprietary Sales..... 4
Technology Awards Urged..... 4
Zirconium Output Is Industry's Job..... 4

International News

Canadian Chemists to Meet..... 46
Cottonseed World Output Up..... 7
Fats, Oils Exports at Peak..... 7
Glidden Shifts Foreign Business..... 7
Great Britain Second in Chemicals..... 5
Japan's Soybean Market Can Expand..... 7
Nickel Filing Dates Fixed..... 46
Petrochemical Project Set..... 3
Standard, Texaco Get Rights..... 4

Personnel News

Allied Elects Directors..... 34
American-Marietta Appoints..... 34
Colton Elects President..... 7
Cyanamid Names Sklarz..... 5
Cyanamid Shifts Personnel..... 54
Electromet Names Douglas..... 34
Gen'l Mills Picks New V.P..... 4
Grove Labs Appoints Vice-Presidents..... 46
Hall Named by Olin Mathieson..... 5
Int'l Minerals Names Casler..... 35
Koffenberger Named by Lilly..... 4
Metals Disintegrating Names 2..... 54
McCormick Elects Curlett..... 5
Milliken Resigns at Hercules..... 5
Nichols Names Two V.P.'s..... 7
Chas. H. Phillips Names Nitchie..... 46
Williams With Monsanto 40 Years..... 7

Market Reports

Acids..... 30
Agricultural Chemicals..... 36
Aliphatic Organics..... 38
Aromatic Chemicals..... 50
Botanical Drugs, Gums..... 43
Coal Chemicals..... 40
Coating Materials..... 52
Drugs..... 43
Essential Oils..... 50
Fats and Greases..... 56
Fertilizer Materials..... 36
Fine Chemicals..... 43
Heavy Chemicals..... 30
Industrial Organic Chemicals..... 38
Lacquer Materials..... 52
Leather Chemicals..... 55
Naval Stores..... 52
Oil Cake and Meal..... 56
Oils..... 56
Paint Materials..... 52
Pesticides..... 36
Petrochemicals..... 38
Petroleum Derivatives..... 37
Protective Coatings Materials..... 52
Spices..... 50
Textile Chemicals..... 55
Waxes..... 56

General Features

Advertisers Index..... 63
Association Meeting Dates..... 7
Bids Wanted..... 35
Classified Advertisements..... 62
Consulting Chemists and Engineers..... 58
Coal Chemical Output..... 40
Crude Oil Stocks..... 37
Current Market Quotations..... 9
Editorials..... 28
Imports..... 48
Obituaries..... 49
OPD Price Index..... 4
Trade Briefs..... 46, 54
Washington Talks It Over..... 28

Technology Awards Proposed

Arthur S. Flemming, director of the Office of Defense Mobilization, last week proposed that business and industry set up an annual fund of $1,000,000 for honors and awards to persons in the fields of science and engineering who contribute the most towards maintaining this country's leadership in technology. He suggested six categories wherein awards might be made either in the form of certificates or money:—

- High school students for superior performance.
- High school teachers for outstanding contributions in teaching.
- College and university students for superior performance.
- College and university teachers for teaching or research.
- Scientists and engineers for distinguished contributions in their fields with particular emphasis on contributions in basic research.
- Executives in business, industry and government for distinguished contributions in making it possible for scientists and engineers to make the maximum possible contribution to the life of our day.

Dr. Flemming made the proposal in a speech before the American Association

—*Continued on page 58*

Monopentaerythritol Offered by Hercules

The synthetic department of Hercules Powder Company, Wilmington, Del., last week announced that it is now offering commercial quantities of monopentaerythritol.

The announcement marked Hercules entry into mono-PE manufacture, supplementing its position as a major supplier of technical PE. Hercules estimated that its mono-PE production at Mansfield, Mass., increases the nation's capacity for the material by 25 percent.

Hercules said its mono-PE is made by a new process which removes both organic and inorganic impurities. The inorganic impurities are referred to as the ash content of PE.

SOCMA Hears Psychiatrist At Its January 10 Luncheon

Synthetic Organic Chemical Manufacturers Association has scheduled Dr. Walter D. Woodward, psychiatrist for American Cyanamid Company, New York, at its meeting at the Roosevelt hotel, New York, January 10. Dr. Woodward will speak on the "Use of the Psychiatrist in the Chemical Industry."

Beginning with this meeting, the society will change both the location and day of the week of luncheon meetings. Meetings have been shifted to the Roosevelt hotel, and the day of the week has been changed from the second Wednesday to the second Tuesday of each month.

Welch, Holme Picks Manager

Irving J. Groeschel has been appointed sales manager of Welch, Holme & Clark Company, New York. Mr. Groeschel is a veteran of twenty-one years' service.

Copper Quotas For Export the Same

First quarter export quotas for copper and copper scrap were announced last week by the Bureau of Foreign Commerce. The new quotas, which are the same as those for the fourth quarter of 1955, are as follows:

3,000 short tons of new or old copper scrap; 6,000 short tons for new or old copper-base alloy scrap, containing 40 percent or more copper, and 600 short tons for copper-base alloy ingots and other crude forms.

Consumption of refined copper in the

—*Continued on page 58*

The Week's Price Changes

Pig Lead, Litharge, Orange Mineral, Tankage Prices Up.
Dried Blood, Celery Seed, Nutmeg, Tankage Down.

Prices Advanced

Acid, Linseed fatty, 1 5c. per lb. (p. 56).
Cardamom, Guatamalan, 5c. per lb. (p. 50).
Clove, Madagascar, 1c. per lb. (p. 50).
Zanzibar, 1½c. per lb.
Lead metal, ½c. per lb. (p. 30).
Red, ½c. per lb. (p. 52).
Litharge, ½c. per lb. (p. 52).
Oil, citronella, Java-type, 5c. per lb. (p. 50)
Corn, crude, ¼c. per lb. (p. 56).
refd., ¼c. per lb.
Cottonseed, crude, ¼c. per lb. (p. 56).
refd., ¾c. per lb.
Linseed, 1 5c. per lb. (p. 56).
Oleo, ½c. per lb. (p. 56).
Oiticica, ½c. per lb. (p. 56).
Olive, 10c. per lb. (p. 56).
Soybean, crude, ½c. per lb. (p. 56).
Orange mineral, ½c. per lb. (p. 52).
Pepper, black, Malabar, 2c. per lb. (p. 50).
White, 2c. per lb.
Tallow, edible, ½c. per lb. (p. 56).
Tankage, N. Y., 25c. per unit-ton (p. 36).

Prices Reduced

Blood, dried, Chicago, 25c. per unit-ton (p. 36).
Cardamom, Ceylon, green, 5c. per lb. (p. 50).
Celery seed, Indian, ½c. per lb. (p. 50).
Cocoa butter, ½c. per lb. (p. 56).
Nutmeg, East Indian, 1c. per lb. (p. 50).
West Indian, 1c. per lb.
Oil, bois de rose, Brazilian, 20c. per lb. (p. 50).
Clove leaf, crude, 10c. per lb. (p. 50).
Copaiba, 5c. per lb. (p. 50).
Ocotea cybarum, 5c. per lb. (p. 50).
Tankage, Chicago, 25c. per unit-ton (p. 36).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100 = 1949 average)

Dec. 30, 1955	Dec. 23, 1955	Dec. 31, 1954
107.15	**107.14**	**106.78**

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J. Newton Hall has been named western manager of the insecticides division of Olin Mathieson Chemical Corporation, with headquarters in Denver, Colo.

Dow Will Spend $75 Million on Plants

Dow Chemical Company, Midland, Mich., plans to spend at least $75 million on new construction this year, compared with about $50 million in 1955. The company did not go into detail on what its 1956 expansion program will involve.

However, it pointed out that in 1955 Dow brought into operations facilities for the production of glycerine, polyethylene and soda ash—all new products for the company.

Dow also expanded its capacity for ethylene glycol, polystyrene, "Styrofoam," "Saran" and "Saran" film, and added to its laboratory facilities.

Dow executives think 1956 will be an even better year for business than was 1955. But they add that it may follow a somewhat different pattern.

They note that 1955 started slow and the economy gained speed as the year progressed. Indications are, Dow thinks, that 1956 will get off to a vigorous start but could decelerate before the year-end.

The company does not foresee a downturn in the economic curve but rather the possibility of some flattening.

Hercules Director Resigns

Mahlon G. Milliken has resigned as a member of the board of directors of Hercules Powder Company, Wilmington, Del. In July he resigned as a vice-president of the company. With Mr. Milliken's resignation, Hercules has adopted a resolution cutting its board membership from seventeen to sixteen.

Transport Legislation Hit By ICC in a Surprise Move

Legislation proposing to carry out the recommendations of the President's Advisory Committee on Transport Policy for sweeping changes in the transportation control laws ran into unexpected opposition last week. In letters to the senate and house committees, which have scheduled the bills (H.R. 6141 and S. 1920) for early consideration next session, the Interstate Commerce Commission found vigorous fault with almost every change proposed to be made.

For the most part, the commission reported in a section-by-section analysis of the bills, that either the objectives sought to be accomplished by the draftsmen could not be accomplished, or that the proposals were of questionable merit from a public interest standpoint.

Water Cargo Provision Untouched

One of the few provisions of the legislation to go unscathed was the section proposing repeal of the bulk cargo provision relating to water transportation. This provision is of particular interest to the chemical industry because it proposes to eliminate from existing law an exemption of water carriers of three or less commodities in bulk from rate regulation by the ICC.

The commission's letter noted the fact that it has previously reported favorably on a bill (S. 951) to repeal this section of the law and that its position remains unchanged. It commented further:

"The public interest in stable, reason-

—Continued on page 35

American Molding Powder Enlarges Pigment Facilities

American Molding Powder & Chemical Corporation, Brooklyn, N. Y., has expanded its facilities for the production of concentrated pigment dispersions and specially prepared dry colorants for thermoplastic molding compounds.

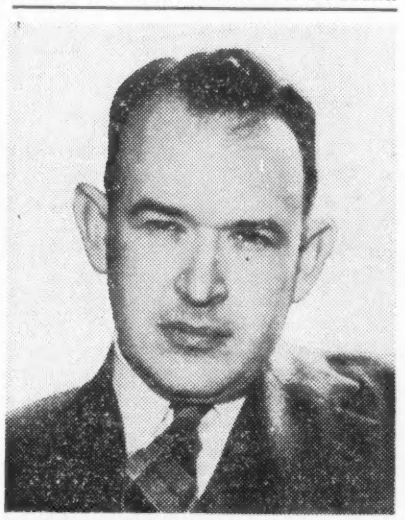
The newly-developed concentrates will soon be marketed by the Brooklyn concern under the trademark "Master Color," while the dry colorants will be sold under the tradename "Kromoplast."

"Master Color" concentrates will be sold for coloring polyethylene and vinyl plastics. First of these dispersions slated for the market is a jet black which is said by American Molding Powder to meet Bell Telephone Laboratory specifications.

"Kromoplast" dry colorants are intended for general purpose and high impact polystyrene, as well as polyethylene.

Trade Board Elects Three

Myron Walker, L. D. Barney and Sydney N. Stokes have been elected directors of the New York Board of Trade. Mr. Walker is president of Walker Laboratories, Inc., Mount Vernon, N. Y. Mr. Barney is president of Hoffmann-LaRoche, Inc., Nutley, N. J., while Mr. Stokes is assistant to the president of van Ameringen-Haebler, Inc., New York, and chairman of the Drug, Chemical and Allied Trades section of the New York Board of Trade.



Dr. Ralph A. Connor, vice-president in charge of research of Rohm & Haas Company, Philadelphia, took office January 1 as American Chemical Society's new board chairman.

Solvay Process In Seventy-Fifth Year

Solvay Process Division, Allied Chemical & Dye Corporation, New York, enters its seventy-fifth year of chemical manufacturing in 1956 with construction of its new hydrogen peroxide plant at Syracuse, N. Y., completed, and with work on its new chlorine-caustic soda facilities at Brunswick, Ga., well under way.

The hydrogen peroxide installation, which utilizes a new manufacturing process, is situated near the site of one of America's first chemical centers. It was at Syracuse that Solvay, founded in 1881, built this country's first soda ash plant.

Prior to that time, America's require-

—Continued on page 51

Liquid Carbonic Buys Firm

Liquid Carbonic Corporation, Chicago, has bought Standard Vanilla Company of Los Angeles. Purchase of the West Coast extract firm was for an undisclosed amount. Standard Vanilla will continue as a division of Liquid Carbonic.

Great Britain Is Second Biggest In Chemicals

The United Kingdom has become the world's second largest chemical producer, according to *Foreign Trade*, fortnightly publication of the Canadian Department of Trade and Commerce. The Board of Trade index of industrial production for chemicals has risen from 100 in 1948 to 183 in 1955. Gross value of production in 1954 is estimated at over £1,000,000,000.

This increase in production has been made possible by heavy investment, according to the magazine. In the five years 1950 to 1954, the industry spent about £340,000,000 on new plants, machinery and buildings.

This figure accounted for 12 percent of all new investment in Britain's manufacturing industries. A rapid rise in productivity accompanied this investment.

Production Rise During 1948-52

From 1948 through 1952, while the chemical labor force increased by only 6 percent, output increased 29 percent in volume and 61 percent in value.

Petrochemicals and plastics have lead the way in postwar expansion. Production of petrochemicals was an entirely new postwar development stemming from the sharp increase in the petroleum refinery industry in Great Britain.

To date, some £50,000,000 has been invested in the petrochemicals field and further investments in the next three years are expected to reach £22,000,000.

The principal products of the Britain's domestic industry are isopropyl alcohol, acetone, ethylene oxide, glycol and ethylene.

The most spectacular increase in production, according to *Foreign Trade*, has been in plastics materials. Output has jumped from 160,000 tons in 1953 to 200,000 tons in 1954, and is expected to reach 240,000 tons in 1955.

The most significant growth in the plastics field has been in polyethylene and polyvinyl chloride. Output of polyethylene in 1955 is likely to top 1954 output by 15,000 tons, and the total,

—Continued on page 58

Cyanamid Names Pigments General Sales Manager

American Cyanamid Company, New York, has named Leo Sklarz general sales manager of its pigments division, effective January 3. In his new post, Mr. Sklarz will coordinate all domestic and foreign sales activities.

Taking over Mr. Sklarz's post tomorrow as domestic sales manager is Elmer Carling, who has been assistant sales manager. Leo Sobell becomes the new assistant sales manager, with headquarters in Bound Brook, N. J., while John H. Dietze will take over as sales development manager in New York.

Both Mr. Sklarz and Mr. Carling were with United Color & Pigment Company, Mr. Sklarz as vice-president of sales, prior to Cyanamid's acquisition of that company. Both Mr. Sobell and Mr. Dietze joined the company in 1948.

Ferro Plans Expansion Of Its Color Division

Ferro Corporation, Cleveland, Ohio, has announced that it is planning a new $240,000 building and equipment expansion in its color division. With the addition of the new building, the laboratory and manufacturing area will be increased to over 60,000 square feet.

"We are getting into this expansion program due to the increase in sales and the favorable outlook in the building trades, wherein larger quantities of colors are used in all ceramic processes in connection with the building trade program," stated C. D. Clawson, Ferro president.

McCormick & Co. Elects John N. Curlett President

McCormick & Co., Baltimore, Md., has elected John N. Curlett president.

Mr. Curlett, executive vice-president of the company, will assume the title which has been held by Charles P. McCormick since 1932, on January 3. Mr. McCormick will continue in the active capacity of chairman of the board of directors.

January 1 Price Changes

A number of price changes were put into effect Sunday, January 1, and Monday, January 2. These changes, reported in this and previous issues of OPD, follow below:

Prices Advanced

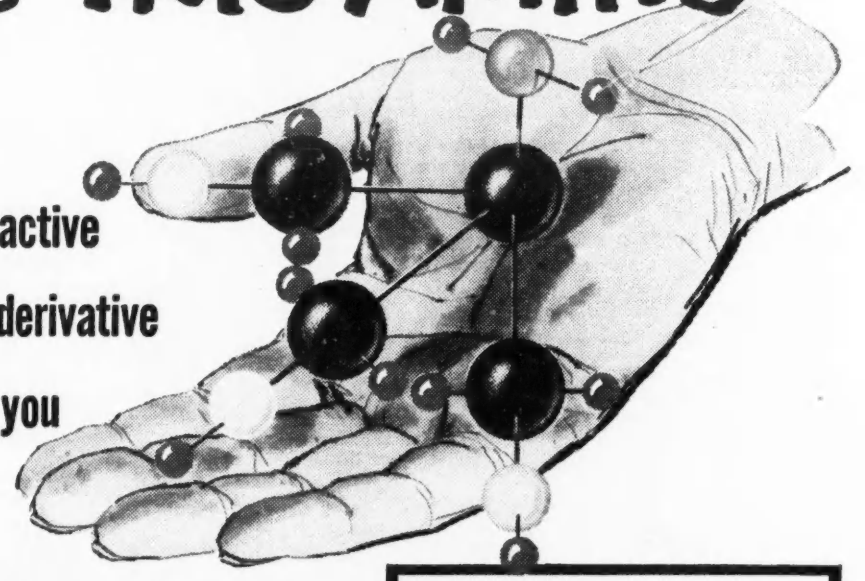
Acid, cresylic, 10c. per gal.
Tobias, 4c. per lb.
Alcohol, amyl., syn., ½c. per lb.
n-Butyl, ½c. per lb.
sec-Butyl, ½c. per lb.
Ethyl, 2c. per gal.
Isobutyl, ½c. per lb.
Isopropyl, 2c. per gal.
Methyl amyl, ½c. per lb.
Propyl, ½c. per lb.
p-Aminophenol, 18c. per lb.
Amyl acetate, syn., ½c. per lb.
Asbestos, $2.70 to $65 per ton.
Benzidine hydrochloride, 5c. per lb.
Blue, alkali, 10c. per lb.
Chinese, 1c. per lb.
Methyl violet toner, molybdated PMA, 15c. per lb.
Milori, 1c. per lb.
Peacock, 5c. per lb.
Prussian, 1c. per lb.
Ultramarine, 2½c. per lb.
Victoria toner, tungstated, PTMA, 20c. per lb.
n-Butyl acetate, ½c. per lb.
sec-Butyl acetate, ½c. per lb.
Carbon disulfide, tanks, 10c. per 100 lbs.
Cresols, tech., 1c. per lb.
USP, 1½c. per lb.
1,2-Dihydroxy anthraquinone, 25c. per lb.
Di-isobutyl ketone, ½c. per lb.
2,4-Dinitroaniline, 8c. per lb.
2,4-Dinitrotoluene, oily, 1c. per lb., refd., 2c. per lb.
Ethyl acetate, ½c. per lb.
Glycerine, syn., dms., 1c. per lb.
Green, brilliant thioflavin toner, PTMA, 20c. per lb.
Gypsum, terra alba, $1 per ton.
Isobutyl acetate, ½c. per lb.
Isopropyl acetate, ½c. per lb.
Methyl amyl acetate, ½c. per lb.
Ethyl ketone, ½c. per lb.
Isobutyl ketone, ½c. per lb.
m-Nitroaniline, cryst., 10c. per lb.
paste, 8c. per lb.
Orange, dinitroaniline toner, 2½c. per lb.
m-Phenylenediamine, 5c. per lb.
p-Phenylenediamine, 7c. per lb.
Red, lake C toner, alizarin, 10c. per lb.
Lithol toner, 5c. per lb.
Para toner, 5c. per lb.
Phloxin toner, 10c. per lb.
Red, rhodamine, tungstated, PTMA, 25c. per lb.
Toluidine, 5c. per lb.
Sodium metasilicate, anhyd., 25c. per 100 lbs.
Orthosilicate, conc., 30c. per 100 lbs.
hydrated, 15c. per 100 lbs.
Phosphate, monobasic, anhyd., 20c. per 100 lbs.
tribasic, anhyd., 20c. per 100 lbs.
cryst., 20c. per 100 lbs.
Pyrophosphate, tetrabasic, 15c. per 100 lbs.
Sesquisilicate, hydrated, 20c. per 100 lbs.
Tripolyphosphate, 15c. per 100 lbs.
o-Tolidine, 5c. per lb.
2,4-Tolylenediamine, 6c. per lb.
Tricresyl phosphate, 1½c. per lb.
Tetraethyl pyrophosphate, 40%, 4c. per lb.
Yellow, benzidine, AAA, 10c. per lb.
AAOT, 10c. per lb.
Hansa, 10c. per lb.

Prices Reduced

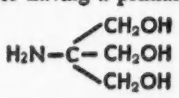
2-Methyl-5-ethyl pyridine, 3c. per lb.
p-Nitroaniline, 4c. per lb.
Potato starch, Idaho, ¾c. per lb.

meet "TRIS AMINO"

See what this highly reactive nitroparaffin derivative might do for you



"Tris Amino" is short for Tris(hydroxymethyl)aminomethane. This chemical is unique. It is the only tri-hydroxy molecule commercially available having a primary amine group.



Tris Amino is a raw material undergoing a very wide variety of chemical reactions. The reactivity of Tris Amino makes it of unusual interest in chemical synthesis, since it contains a primary amine group *and* three primary reactive hydroxyl groups. Manufacturers of resins, synthetic drying oils, and surface active agents cannot afford to overlook the potential usefulness of Tris Amino as a raw material.

Tris Amino reacts with higher fatty acids to form soaps with unusually strong emulsifying power. Relative high boiling point and low combining weight recommend the use of Tris Amino in preparation of cosmetic creams, textile specialties, cleaning compounds and many other emulsions.

CSC's new Nitroparaffin plant at Sterlington, La. is now in full production. Additional facilities for increased volume of NP derivatives are nearing completion.

PROPERTIES

Molecular Weight	121.14
Boiling Point, °C	219 to 220 10mm
Melting Point, °C	171-172
pH of 0.1M Aqueous Solution at 20°C	10.4
Solubility in Water at 20°C, g/100 ml	80

Other Aminohydroxy Compounds

AB (2-Amino-1-butanol)
AMP (2-Amino-2-methyl-1-propanol)
AMPD (2-Amino-2-methyl-1, 3-propanediol)
AEPD (2-Amino-2-ethyl-1, 3-propanediol)

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Company_____
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City_____ Zone_____ State_____

Association Meetings

Weed Society of America, first annual meeting, New Yorker hotel, New York, January 4-6.

American Drug Manufacturers Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., April 29-May 3.

American Institute of Chemical Engineers, Statler hotel, Los Angeles, February 26-29.

American Institute of Chemists, annual meeting, Statler hotel, Boston, Mass., May 9-11.

American Pharmaceutical Manufacturers Association; central section meeting, Edgewater Beach hotel, Chicago, February 6-8; western section meeting, Ambassador hotel, Los Angeles, February 13-14; annual meeting, Boca Raton Club, Boca Raton, Fla., April 9-11.

American Society for Testing Materials, committee week, Statler hotel, Buffalo, N. Y., February 27-March 2; annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., June 16-21.

Association of American Soap and Glycerine Producers, annual convention, Waldorf-Astoria hotel, New York, January 25-27.

Association of Consulting Chemists and Chemical Engineers, banquet and symposium, Belmont Plaza hotel, New York, April 25.

Chemical and Allied Products Buyers Group of National Association of Purchasing Agents, midwest meeting, Palmer House, Chicago, January 24; eastern meeting, Commodore hotel, New York, January 31.

Chemical Institute of Canada, annual conference and exhibition, Mount Royal hotel, Montreal, May 28-30.

Chemical Market Research Association, aromatic chemicals meeting, Webster Hall, Pittsburgh, Pa., January 31-February 1.

Chemical Progress Week, April 23-28.

Chlorine Institute, annual meeting, Commodore hotel, New York, January 25.

Council for Agricultural and Chemurgic Research annual conference, Congress hotel, Chicago, April 10-12.

Drug, Chemical and Allied Trades section of the New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 1.

National Association of Chain Drug Stores, annual meeting, Hollywood Beach hotel, Hollywood Beach, Fla., May 1-4.

National Plastics Exposition, sponsored by Society of Plastics Industry, New Coliseum, New York, June 11-15.

Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn hotel, Pittsburgh, Pa., February 27-March 2.

Proprietary Association, annual meeting, Hollywood Beach hotel, Hollywood, Fla., May 7-9.

Society of Chemical Industry, chemical industry medal presentation, Waldorf-Astoria hotel, New York, April 27.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Roosevelt hotel, New York, January 10

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel New York, May 15-17.

Cottonseed World Output Is Seen Surpassing Last Year By a Million Short Tons

World production of cottonseed during the 1955-56 crop year is expected to reach an all time-high of 19,500,000 short tons, the Foreign Agricultural Service forecast last week. This would be about 5 percent or 1,000,000 tons greater than last year's outturn. The expected record output of cottonseed, together with record world crops of soybeans and peanuts, indicates a large supply of edible oils from these crops, the agency said.

The increase in these major edible oils, accounted for to a large degree by the increase in United States production, probably is sufficient to offset the indicated decline in olive, sunflower and sesame oils.

The anticipated increase in cottonseed production from 1954-55 is due largely to the large crop in the United States, which accounts for about one-third of the total production. However, increases also are foreseen in most of the major producing areas—with the exception of India.

Acreage Up in All Countries But US

The increase in cotton production and the resulting increase in seed is explained by increased acreage in all countries except the United States. Also, an uptrend in yields per acre exists in all countries—including the United States.

North American cottonseed production is expected to be about 8 percent larger than in 1954-55. In the United States, if the ratio of lint to cottonseed for the 1955 crop is the same as the average for the past five years, production would be 6,043,000 tons or 6 percent larger than from the previous crop.

Under the official acreage-control program, area harvested for cotton was 2.4 million acres less than a year ago. However, as a result of favorable weather and growth factors, cotton yields averaged 22 percent higher than last year's record.

Cottonseed production has increased sharply in Mexico and in Central American producing countries in recent years. In Mexico large new areas had been brought under irrigation and planted to cotton. In Central America acreage to cotton has been increased by plowing up

—*Continued on page 51*

Victor E. Williams, regional vice-president of Monsanto Chemical Company, St. Louis, Mo., last month completed forty years of service with the firm.

Japanese Soybeans Market Can Be Expanded, Study Indicates

There is a good chance of maintaining or even expanding the large market for soybeans in Japan, provided special demands of the Japanese market are met, a first-hand study by the Department of Agriculture reveals. The study stresses that soybeans and their products are used in Japan almost entirely as human food, in contrast to the United States, where the oil is used as food and the meal is used primarily as livestock feed.

US producers and exporters will need to keep this fact uppermost in mind in supplying the Japanese market, if they expect to retain Japan as their No. 1 foreign customer, the study indicates. [US soybean exports to Japan in 1954-55 totaled 20,000,000 bushels, valued at $56 million.]

Participating in the USDA study, as temporary employees of the Foreign Agricultural Service, were George M. Strayer, executive vice-president of the American Soybean Association, and Howard Kurtz, member of the Board of Grain Supervisors, Agricultural Marketing Service.

Mr. Strayer reported that he is opti-

—*Continued on page 47*

J. T. Baker Completes New Reagent Facilities

J. T. Baker Chemical Company, Phillipsburg, N. J., has completed additional unit process facilities for the production of reagent chemicals in tonnage quantities.

The entire operation is reportedly engineered to protect against accidental chemical contamination or extraneous matter of any kind.

According to the company, the new facilities provide for large-scale production of many high purity chemicals and also enable lower-cost manufacture of many inorganics previously made on small-scale equipment.

AEC to Use Bids For Uranium Leases

Lewis L. Strauss, chairman of the Atomic Energy Commission has announced that a system of competitive bidding will be instituted for leasing uranium deposits developed by the AEC on withdrawn public lands and certain other areas under AEC control.

Lands affected include those originally purchased by the Manhattan Engineer District and subsequently transferred to the AEC, and public lands withdrawn from mineral entry at the request of the AEC for exploration purposes.

AEC does not contemplate extensive leasing of AEC-controlled lands in the near future. The uranium deposits on these lands constitute a reserve to be drawn upon as required.

Since ore production from privately-owned properties is being maintained at a

—*Continued on page 47*

NARD Convention Planned

The 1956 annual convention of the National Association of Retail Druggists will be held in Cincinnati, Ohio, September 17 through 21. The Music Hall of Cincinnati will be the center of the convention activities. The official hotels of the convention are the Netherlands Plaza and the Sheraton-Gibson. The drug show will be held concurrently.

Colton Elects President; Company Founder Resigns

Colton Chemical Company, Cleveland, Ohio, a division of Air Reduction Company, has named Bernard R. Krashkin president succeeding H. Seymour Colton, who has resigned to become president of Macco Chemical Company, Wickliffe, Ohio.

Colton Chemical was formed in 1943 under the name Special Chemicals Company, and was sold in 1954 to Air Reduction. Macco Chemical manufactures mastic compounds.

Jack Weiss has been named a vice-president of Catalin Corporation of America, New York.

FDA to Allow Hexadenol For Over-the-Counter Sale

Hexadenol, a mixture of tetracosanes and their oxidation products, is proposed to be removed from the prescription-dispensing requirements of the federal food, drugs and cosmetic act and added to the list of drugs that may be sold over-the-counter, it was announced last week by the Food and Drug Administration.

The preparation must be labeled with adequate directions for use by external application in the treatment of minor burns and minor skin irritations. It must contain a warning against use for serious burns or skin conditions, and against spraying the preparation in the vicinity of eyes, mouth, nose, or ears.

Thirty days has been allowed interested persons to submit written comments on the proposed order of the agency.

Nichols Chemical Makes Aikman and Bowen V. P.'s

Nichols Chemical Company, Ltd., Montreal, Canada, has appointed Dr. Edward P. Aikman and Harry S. Bowen vice-presidents of the concern.

Dr. Aikman has been managing director of the company since 1951, and will continue in that capacity. He has been associated for twenty years with Nichols and its US affiliate, General Chemical Division, Allied Chemical & Dye Corporation, New York.

Mr. Bowen is located in New York where he also serves as vice-president and comptroller of General Chemical.

Fats, Oils Exports At an All-Time High

United States exports of fats, oils, and oilseeds reached an all-time high of 4,000,000,000 pounds in terms of oil equivalent in the 1954-55 marketing year, the Foreign Agricultural Service said last week. This volume exceeded the previous high of 1954-55 by over 500,000,000 pounds.

Record quantities of cottonseed oil, soybeans, inedible tallow and greases, and butter were shipped abroad. In fact, the 700,000,000 pounds of cottonseed oil was three-fourths larger than the high level of last year.

The 60,000,000 bushels of soybeans broke last year's record by 50 percent, while the 1,300,000,000 pounds of inedible tallow and greases exceeded the previous year's record by 7 percent.

Tallow and greases comprised about one-third of all fats and oils exported in

—*Continued on page 47*

Glidden Transfers Foreign Business of Southern Unit

Glidden Company, Cleveland, Ohio, last week revealed that its subsidiary, Glidden International C. A., has completed arrangements to take over and handle the foreign business of Glidden's southern chemical division from the Atlantic, White Sea & Baltic Company of Jacksonville, Fla.

Principal products involved are gum rosin, turpentine, pine tar and terpene chemicals. For many years Atlantic, White Sea & Baltic has handled this Glidden business, as well as the export activities on other American products.

Atlantic, White Sea & Baltic Company will cease operations and be liquidated this year, according to E. W. Colledge, jr., president of the export firm.

Memo to OPD Readers

For greater clarity and brevity, OPD has changed the headings of some of its market reports.

Aliphatic Organics is the new title of what was formerly Industrial Organic Chemicals.

Protective Coatings Materials has been sharpened to Coatings Materials.

Coverage of individual items in the various market reports continues unchanged.

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- **Riboflavin-5'-Phosphate Sodium**
- ***dl*-alpha-Tocopherol** acetate and unesterified
- **Sodium Ascorbate**
- **Pyridoxine** hydrochloride
- **Thiamine** hydrochloride and mononitrate
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CHEMICALS AND RELATED MATERIALS

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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, December 30 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Acacia (see Gum arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb. .40 - —
above 92.5 C., m.p. bbls., dms., works lb. .41 - .50

Acetaldehyde 99%, dms. c.l., dlvd. lb. .12 - —
l.c.l., dlvd lb. .13½ - —
tanks, dlvd lb. .10 - —

Acetaldol (see Aldol)

Acetanilide, tech., bbls. c.l., dlvd lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½ - —
USP, bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .86

Acetic anhydride, dms. c.l. dlvd E. lb. .15½ - —
l.c.l., dlvd E lb. .17 - —
tanks, dlvd E lb. .14 - —

Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .81 - —

Acetoacet-o-chloroanilide, fib., dms., c.l., dlvd lb. 1.35 - —
l.c.l., dlvd lb. 1.36 - —

Acetoacet o-toluidide, fib. dms., c.l., dlvd lb. .82 - —
l.c.l., dlvd lb. .83 - —

Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .10 - —
tanks, dlvd. lb. .07 - —

Methyl (see MD

Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —

Acetophenetidin, USP, bbls., works, frt equald lb. 1.17 - 1.19

Acetophenone, cns. dms lb 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —

N-Acetyl-p-aminophenol, dms., frt. adjusted lb 1.75 - 1.85

Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E of Denver lb. .36 - —
l.c.l., frt. alld. E. of Denver lb. .35 - —
tanks frt. alld. E of Denver, lb. .33 - —

Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39 - —
l.c.l., frt. alld E. of Denver, lb. .40 - —
tanks, frt. alld. E. of Denver, lb. .37 - —

Acetyltri-2-ethylhexyl citrate, non-ret. dms., frt alld lb. .60 - —

Acid, abietic, comi., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490 - —
cryst., dms. c.l works lb. .06½ - —
l.c.l., works lb. .07 - .07½

Acetic, comi., or redist., 28%, bbls 100 lbs. 4.80 - —
56% bbls 100 lbs 8.25 - —
70% bbls 100 lbs. 9.95 - —
80% bbls 100 lbs. 10.45 - —
glacial, syn., CP, dms., dlvd. 100 lbs. 15.00 - 16.00
tech., dms. c.l., dlvd 100 lbs. 12.00 - —
l.c.l., dlvd 100 lbs. 13.00 - —
tanks, dlvd 100 lbs. 10.00 - —
USP chys., inclusive, dlvd., 100 lbs. 24.00 - 25.00

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, makers, primary distrib., bbls., 1,000-lb lots, point of shipt lb. .61 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (60 mesh) bbls. 1,000-lb lots. lb. .56 - .58

Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis

Adipic, bgs., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37½ - —

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb 2.50 - —
smaller lots, works lb. 2.55 - 2.60

p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb 4.05 - 4.50

Anthranilic, bbls., frt equald lb. 1.10 - —

Arsenous, tech. (see Arsenic, white).
USP (see Arsenic trioxide)

Ascorbic USP, dms., 25-100 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
lots 1-kilo lots kilo. 17.00 - —
500-gram lots kilo. 17.50 - —

Battery, chys., c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45

Acid, benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms., 100-lb. lots or more lb. .54 - —

Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).

Betaoxynaphthoic (see Acid b-Oxynaphthoic).

Boric, tech., 99.9%, cryst., bgs., c.l., works ton. 126.75 - —
ton lots, ex whse., N. Y. or Chi ton. 176.50 - —
smaller lots, same basis ton. 181.50 - —
dms., c.l., works ton. 131.25 - 172.25
ton lots, ex whse., N. Y. or Chi ton. 201.00 - 222.00
smaller lots, same basis. ton. 206.00 - 227.00
gran., bgs., c.l., works ton. 101.75 - —
ton lots, ex whse., N. Y. or Chi ton. 151.50 - —
smaller lots, same basis. ton. 156.50 - —
dms., c.l., works ton. 126.25 - 147.25
ton lots, ex whse., N. Y. or Chi ton. 176.00 - 197.00
smaller lots, same basis. ton. 181.00 - 202.00
bulk, c.l., works ton. 95.75 - — ton. 161.50 - —

Acid, boric, tech., 99.9%, powd., bgs., c.l., works ton. 106.75 - —
ton lots, ex whse., N. Y. or Chi ton. 156.50 - —
smaller lots, same basis ton. 161.50 - —
dms., c.l., works ton. 131.25 - 152.25
ton lots, ex whse., N. Y. or Chi ton. 181.00 - 202.00
smaller lots, same basis. ton. 186.00 - 207.00

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric Acid $25 per ton higher.

Broenners, bbls lb. 1.76 - —

Butyric, 99%, dms., c.l., works, l.c.l., works lb. .34 - —
tanks, works lb. .34½ - —
lb. .32½ - —

Caprie, dms lb. .24 - .28

Caprylic, dms. lb. .24 - .26

Cassella, dms. frt alld., 100% basis lb. 1.44 - 1.75

Castor oil, split, dms lb 35½ - .36

Chicago, bbls frt alld lb 3.21 - —

Chloroacetic, mono, purif., flake, 99% dms lb. 23½ - 25½
tech. flake, 96-97% dms., frt. equald lb. .20 - .21

o-Chlorobenzoic, fib. dms., works t.l., lb. 1.10 - —
smaller lots, works lb. 1.25 - —

Acid, p-chlorobenzene, fib. dms., works lb. 1.39 - 1.62

Chlorosulfonic, dms., c.l., frt. equald lb. .0465 - —
l.c.l., frt. equald lb. .0515 - —
tanks, frt. equald lb. .0415 - —

Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.

Cholic, 100-lb. lots, fib. dms lb. 6.00 - 6.25

Chromic, 99¾%, dms., c.l., works, frt. equald lb. .28½ - —
l.c.l., dlvd., N. Y. metropolitan area lb. .29 - .30

NF (see Chromium trioxide).

Cinnamic, refd., bots lb. 2.50 - 3.50

Citric, USP, anhyd., gran., fine gran., bgs., dms., c.l. lb. .29½ - .30
10,000-lb lots, 1 shipt. lb. .30 - .30⅛
smaller lots lb. .30½ - .31

hydrous, gran., fine gran., bgs., dms., c.l lb. .27½ - .28
10,000-lb lots, 1 shipt. lb. .28 - .28⅛
smaller lots lb. .29 - .29⅛

Powdered citric acid ½c. higher.

Cleve's, mixed, bbls lb. .79 - —

Coconut oil, dist., dms lb. .24¾ - .26¾
tanks lb. .22¾ - —
dbl dist., dms lb. .25¾ - .27¾
tanks lb. .23¾ - —

Corn oil, dist., dms lb. .16¼ - .18¼
tanks lb. .14¼ - —

Cottonseed oil, dist., dms lb. .15¾ - .17¾
tanks lb. .13¾ - —

2,3-Cresotic, dms. ton lots, works. lb. .70 - —
less than ton lots, works lb. .72 - —

Cresylic, coaltar dom. 50% 207 C or above, resin and tricresyl phosphate grade, tanks, frt. equald gal. 1.00 - —
50% 210° C. or above, total range over 9° C., non-resin grade, dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
50% 204° to 207° C., tricresyl phosphate and resin grade, tanks, same basis gal. 1.10 - —
Imp. 75% at 215 C., or over, dms., ex whse gal. .85 - 1.00

petroleum, dom., 195° to 214° C., non-ret. 63 dms. to c.l., works, San Francisco and Los Angeles gal. .75 - —
l.c.l., same basis gal. .77 - .79
tanks, works, frt alld E. gal. .71 - —
200° C. to 222° C., tanks, Wilmington, Cal gal. .62 - .69
211° C. to 237° C., non-ret., dms. c.l. San Francisco and Los Angeles gal. .67 - —
l.c.l., same basis gal. .69 - .71
tanks, same basis gal. .54 - —
220° C. to 242° C., tanks, Wilmington, Cal gal. .58 - .63
245° C. to 295° C., tanks, Wilmington, Cal gal. .50 - —

Crotonic, fib. dms., 200 lbs. or more, contained, works lb. .50 - —

Cyanoacetic, tech., bbls lb. .90 - 1.25

Dehydrocholic, injection, fib. dms., 100-lb. lots lb. 13.12.25 - —
oral, fib. dms. 100-lb. lots lb. 9.25 - —

D, desoxycholic, fib. dms., 100-lb. lots lb. 14.00 - —

Dichlorophenoxyacetic (see 2,4-D).

Diethylbarbituric (see Barbital).

Diglycolic, bgs., works lb. .14 - —

2-ethyl hexoic, dms., c.l., dlvd lb. .36½ - —
l.c.l., dlvd. lb. .37½ - —
tanks, dlvd lb. .34½ - —

F, crude, paste, bbls., works lb 2.10 - —

Folic, bots, fib. cns, kilo lots or more, gram 1.40 - —

Formic, 85% cbys., c.l. works lb .1570 - —
l.c.l., works lb. .1620 - .1720
90% cbys. c.l. works lb. .1625 - —
l.c.l. works lb .1675 - .1775

Fumaric, tech., bgs., dms., c.l., frt. alld. E lb. .25½ - —
l.c.l., same basis lb. .25½ - —

Gallic, NF, VII, bbls, 1,000 lb lots lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
tech., bbls., 1,000-lb lots lb 1.53 - —
smaller lots lb 1.82 - 2.00

Gamma, dry, grd. bbls., frt. alld. lb. 1.50 - —
paste, bbls., frt. alld lb. 1.45 - —

Gentisic, 100-lb. fib. dms lb 8.50 - —

Gluconic, tech., 50% bots lb. .25 - .35
cbys lb. .19 - —
dms. lb 15½ - —

l-Glutamic, 99½% fib. dms., 100 lb lots works lb 2.45 - 2.53
25 lb lots, works lb 2.54 - 2.60

Glycerophosphoric, 35%, dms., works lb 2.25 - 2.35

Glycolic (see Acid hydroxyacetic).

H, dry, bbls., c.l., works, 100% basis lb. 1.00 - —
l.c.l., same basis lb. 1.02 - —

Hydriodic, 1.50 s.g., cbys lb. 2.94 - —
1.70 s.g., cbys lb. 3.23 - —

Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .37 - .43

Hydrochloric, anhyd (see Hydrogen chloride).

18° cbys., c.l. works 150 lbs 2.50 - —
l.c.l., dlvd Metropolitan area 100 lbs 2.90 - 3.05
tanks, works, frt equald ton. 28.00 - —

20° cbys., c.l., works 100 lbs. 2.75 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.15 - —
tanks, works, frt. equald ton. 30.00 - —

22° cbys., c.l., works 100 lbs. 3.25 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.65 - —
tanks, works, frt equald ton. 35.00 - —

CP, USP, consumers, cbys., extra, c.l. works lb 11¾ - —
l.c.l., same basis lb. .13¼ - .13⅝
5-pint bots., extra, cs., c.l., same basis lb. .16¾ - —
l.c.l., same basis lb 18¼ - 19¼

Acid, hydrochloric, CP, USP, prices to dealers 1½c. per lb. less.

Hydrocyanic, cyls, frt alld lb 75 - 95
dilute NF, 2%, 5-lb. bots lb. .40 - —

Hydrofluoric, anhyd (see Hydrogen fluoride).

aqueous, tanks, works lb. .21 - —
70%, steel, dms., works lb. .18½ - .22½

Hydrofluosilicic, dms., works, 30% basis lb. .06 - —

Hydroxyacetic, tech. 70%, non-ret bbls., Phila., 100% basis lb. 136 - —
tanks Belle W Va., 100% basis lb. .095 - —

Hypophosphorus, purif. 50%, cbys lb. 1.30 - 1.32
USP, cbys. lb. .88 - —

Isonicotinic 100 lb fib dms works lb 5.00 - —

Hydrazide (see Isoniazid)

Itaconic, fib dms., c.l. works lb .59 - —
l.c.l. works lb .60 - —

J, paste bbls., works, 100% basis, lb. 2.45 - —
powd., bbls., same basis lb. 2.93

Koch, bbls., frt. alld., 100% b lb. 1.00 - —

L, bbls. works lb 1.25 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	NNR	New and Nonofficial Remedies
amorph.	amorphous	djns.	demijohns		
AMP	American melting point	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	o-	ortho
approx.	approximately	E	east	ord.	ordinary
artif.	artificial	e.p.	end point	oz.	ounce
ASTM	American Society for Testing Materials	equald.	equalized	p-	para
		exp.	expressed	Pac.	Pacific
Atl.	Atlantic	F	fahrenheit	pf	proof
Be.	Baume	ferment.	fermentation	phos.	phosphate
bbls.	barrels	f.f.a.	free fatty acid	photo.	photographic
bgs.	bags	f.f.c.	free from chlorine	pkgs.	packages
bls	bales	fib.	fiber	powd.	powdered
bots.	bottles	f.o.b.	free on board	precip.	precipitated
b.p.	boiling point	f.p.a.	free of prussic acid	prod.	producer
b.p.l.	bone phosphate of lime	frt.	freight	pt	point
b.r.	boiling range	gal.	gallon	pulv.	pulverized
bxs.	boxes	gran.	granular	purif.	purified
C.	centigrade	grd.	ground	redist.	redistilled
cbys.	carboys	I.&a.	iron and aluminum	refd.	refined
CD	completely denatured	I.b.p.	initial boiling point	refy.	refinery
c.i.f.	cost, insurance, freight	imp.	imported	reg.	regular
cks.	casks	incl.	included	resub.	resublimed
c.l.	carlots	indust.	industrial	ret.	returnable
cns.	cans	kgs.	kegs	SD	specially denatured
coml.	commercial	l-	laevo	s.d.	single distilled
conc.	concentrated	lacq.	lacquer	S. E.	southeast
CP	chemically pure	lb	pound	sec.	secondary
cps.	centipoises	l.c.l.	less than carlots	secs.	seconds
cryst.	crystal	l.t.l.	less truckload	s.g.	specific gravity
cs.	cases	liq.	liquid	ship't	shipment
ctns.	cartons	mfrs.	manufacturers	soln.	solution
cyls.	cylinders	m-	meta	s.u.	standard unit
d-	dextro	m.a.p.	mixed aniline point	syn.	synthetic
dbl.	double	min.	minimum	tanks.	railroad tankcars
denat.	denatured	m.p.	melting point	tech.	technical
dest-dist	destructive-distilled	N-	nitrogen	tert-	tertiary
dl-	dextro-laevo	n-	normal	t.l	truck loads
dist.	distilled	nat	natural	t.w.	tank wagons
		neut.	neutral	USP	U S Pharmacopoeia
		NF	National Formulary	vis	viscosity
				VM&P	varnish makers & painters
				w. w	west
				W.	warehouse
				whse.	water-white

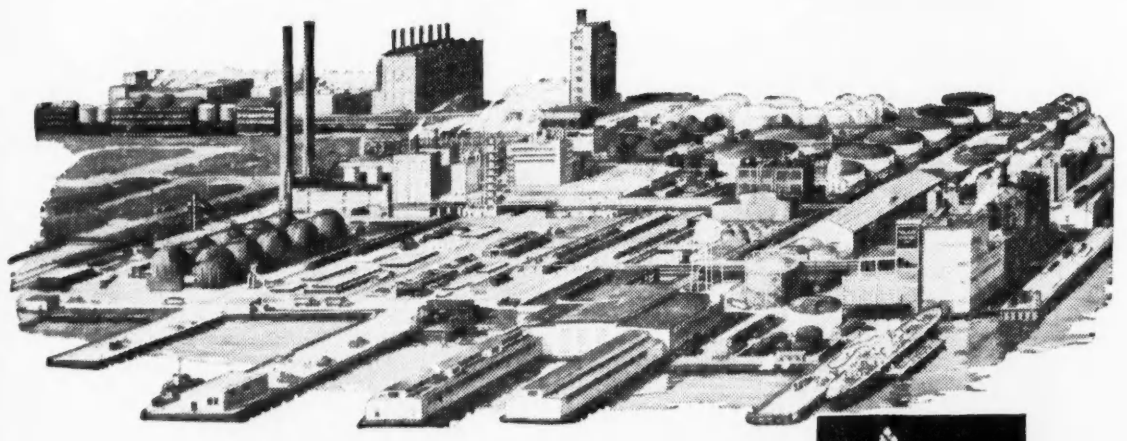
A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, lactic, edible, 50%, bbls., 20 or more lb. .1754- .215
smaller lots lb. .1854- .275
80%, bbls., 5 or more lb. .3054- .37
smaller lots lb. .3104- .375
plastic grade, 50%, bbls., 20 or more, works lb. .23 - —
1 to 19 lb. .235 - —
80%, bbls., 5 or more lb. .385 - —
tech., 22%, bbls., c.l., works 100 lbs 6.30 - —
l.c.l., works 100 lbs 6.70 - —
cbys., l.c.l., works 100 lbs. 12.20 - —
44%, bbls., c.l., works 100 lbs. 11.45 - 11.95
l.c.l., works 100 lbs. 11.85 - 12.35
USP, 85%, cbys. lb. .85 - .88
Laurent's, bbls lb. .60 —
Lauric, dms lb. .35½- .37½
Linseed oil, dist., dms lb. .1910- —
w.w., dms lb. .2210- —
Maleic, cryst., powd., dms lb. .37 .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots lb 2.35 - —
smaller lots lb 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½- —
smaller lots, works lb .55 - —
Molybdic, 85-92%, dms., works lb. 1.35 - —
Monochloroacetic, purif. (see Acid, Chloroacetic mono-).
Muriatic (see Acid, hydrochloric).
Myristic, dms lb. .28 - .29¾

Acid, 1-Naphthol-4-sulfonic (see Acid, Nevile and Winthers).
1-Naphthol-5-sulfonic (see Acid, L).
1-Naphthol-5-sulfonic, 8-amino (see Acid, S)
1-Naphthol-3,6-disulfonic, 8-amino (see Acid, H).
2-Naphthol-6,8-disulfonic (see Acid, Gamma).
5-Naphthol-7-sulfonic, 2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's).
1-Naphthylamine-5-sulfonic (see Acid, Laurent's).
2-Naphthylamine-4,8-disulfonic (see Acid, Cassella).
2-Naphthylamine-6-sulfonic (see Acid, Broenner's).
2-Naphthylamine-7-sulfonic (see Acid, F).
2-Naphthylamine-1-sulfonic (see Acid, Tobias).
Nevile and Winther's, dms., frt. alld lb. 1.20 - —
Nicotinic, USP, dms., dlvd lb. 8.00 - 8.30
Amide USP (see Nicotinamide)
Nitric, 36° Be, cbys., c.l., works, E 100 lbs. 5.75 - —
l.c.l., works, E 100 lbs. 6.05 - 6.85
38° Be, cbys., c.l., works, E. 100 lbs. 6.25 - —
l.c.l., works, E 100 lbs. 6.55 - 7.35
40° Be, cbys., c.l., works, E. 100 lbs. 6.75 - —
l.c.l., works, E 100 lbs. 7.05 - 7.85
42° Be, cbys., c.l., works, E. 100 lbs. 7.25 - —
l.c.l., works, E 100 lbs. 7.55 - 8.35
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —

Acid, nitric, CP, NF, consumer, cbys., extra, c.l., works lb. .13½- —
l.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .14¾- .20¾
p-Nitrobenzoic, dms., c.l., works lb. .72 - —
l.c.l., works lb. .73 - —
Oleic, s.d., dms lb. .18½- .20½
tanks lb. .16½- —
dbl. dist. (white), dms lb. .21 - .23
tanks lb. .1900- —
Oleum (see Acid, sulfuric, fuming).
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).
Orthocresotinic (see Acid, 2,3-Creosotic).
Oxalic, bbls., c.l., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. .17¾- —
b-Oxynaphthoic, bbls., works lb. 1.14 - 1.17
Palm, dist., dms lb. .14¾- .16¾
tanks lb. .12¾- —
Para-aminobenzoic (see Acid, p-Aminobenzoic).
Para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst. cns, lb 75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see mandelic).
Phosphoric, food grade, 75%, cbys., c.l., frt. alld. E 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.00 - 8.00
tanks, works 100 lbs. 5.35 - —
80%, cbys., c.l., frt. alld, 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 7.85 - 9.10
NF, 85%, cbys., c.l., works lb. .0825- —
l.c.l., works lb. .0850- .0975
tanks, works lb. .0640- —

Acid, picric, NF, bbls. lb. .60 - —
tech., bbls lb. .34 - .35
Propionic, syn., pure, dms., c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
tanks, works lb. .19 - —
Pyrogallic, NF, (see Pyrogallol).
tech., bbls lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S., bbls., works lb. 3.25 - —
Salicylic, crude, fib. dms., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - —
sublimed, tech., fib. dms., c.l. lb. .37 - —
l.c.l. lb. .41 - —
USP, cryst., fib. dms lb. .48 - —
powd., fib. dms lb. .55 - —
Sebacic, purif., dms., c.l., works lb. .59 - —
l.c.l., works lb. .61 - .65
Soybean oil, dbl. dist., dms lb. .18¼- .20¼
tanks lb. .16¼- —
s.d., dms lb. .16¾- .18¾
tanks lb. .14¾- —
Stearic, dbl. pressed, bgs lb. .15¼- .17¼
single pressed, bgs lb. .14¾- .16¾
triple pressed, bgs lb. .17½- .19½
Succinic, purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .21 - —
Sulfuric, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
tanks, works ton 18.60 - —
66° Be, chys., c.l., works. 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton 22.35 - —
98%, tanks, works ton 23.50 - —
99-100%, tanks, works ton 23.95 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .09¾- —
l.c.l., same basis lb. .11¼- .11¾
5-pt. bots., extra cs., c.l., works, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
fuming (oleum), 20%, tanks, works ton 25.00 - —
40%, tanks, works ton 29.00 - —
65%, tanks, works ton 39.50 - —
Tallow, dist., dms lb. .15¼- .17¼
hydrogenated, dms lb. .14¼- .16¼
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 2.05 - —
smaller lots lb. 2.06 - 2.10
powd., bbls., 1,000-lb. lots lb. 1.95 - —
smaller lots lb. 1.96 - 2.01
tech., dms lb. 1.05 - —
Tartaric, USP, dom., 230 or 250-lb. dms., c.l. lb. .47 - —
10,000-lb. lots, 1 shipt lb. .47½- —
smaller lots lb. .48 - —
100-lb. dms. lb. .49 - —
imported lb. .39½- .40
Thioglycolic, refd., cbys., 100% basis lb. 1.35 - 1.55
Tobias, bbls., frt. alld lb. .77 - —
Toluenesulfonic, dms., c.l., works, lb. .16 - —
l.c.l., works lb. .17½- —
p-Toluene sulfonic, monohydrate, dms., c.l., or t.l lb. .90 - —
125 lbs. to t.l lb. 1.00 - —
p-Toluidine-m-sulfonic, bbls., works lb. .92 - 1.04
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see 2,4,5-T).
Tungstic, tech., kgs., works lb. 4.25 - —
Undecylenic, dms lb. 1.40 - —
Aconite root, bls lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .47 - —
l.c.l., works lb. .47½- —
tanks, works lb. .46 - —
Acrylonitrile, dms., c.l., t.l., works. lb. .30 - —
l.c.l., l.t.l., works lb. .31 - —
tanks, works lb. .27 - —
ACTH, cryst., bulk, 1,000 units/gram, bots gram 15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP, Kobe No. 1, strip, bls. lb. 3.00 - 3.23
powdered, 30 mesh, fib., dms lb. 3.40 - 3.50
dl-Alanine, dms., works lb 8.50 - 11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .90
Egg, edible, cryst., powd., bbls lb. 2.14 - 2.16
flake lb. 2.10 - 2.10
tech., cryst., bbls lb. .83 - .90
Alcohol, allyl, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°132° C., dms., l.c.l., dlvd lb. .43 - —
ACS grade, dms., l.c.l., dlvd lb. .45 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .18 - —
tanks, frt. alld lb. .15 - —
primary, dms., c.l., frt. alld. lb. .19¼- —
l.c.l., frt. alld lb. .20¼- —
tanks, frt. alld lb. .17¼- —
sec-synthetic, dms., c.l., works, frt. alld lb. .18 - —
l.c.l., works lb. .19 - —
tanks, works lb. .16 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
l.c.l., frt. alld. E lb. .18 - —
tanks, frt. alld. E lb. .15 - —
1-pentanol, (syn. normal), dms., c.l., works lb. .42 - —
l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½- .49
n-Butyl, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., frt. alld lb. .16 - —
tanks, frt. alld lb. .13 - —
n-synthetic, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
sec-synthetic, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, frt. alld lb. .12 - —
Capryl, 95%, dms., c.l., works lb. .21½- —
l.c.l., works lb. .22½- .23¼
tanks, works lb. .19½- —
Cetyl, extra ad. cns., 500-lb. lots or more lb. .73 - —
smaller lots lb. .80 - 1.15
NF, fib. cns., 140-lb lots or more lb. .58 - .62
smaller lots lb. .59 - .62
Cinnamic, bots lb 2.15 - 2.75
Decyl mixed isomers, dms., c.l., dlvd lb. .23 - —
l.c.l., dlvd. lb. .24 - —
tanks, dlvd. lb. .21 - —
normal (see 1-Decanol).



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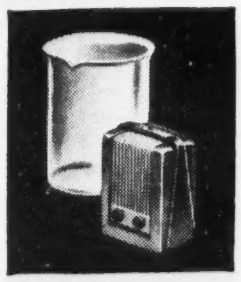
Here at Publicker, we maintain that users of our products can no more afford to take chances with quality than we can. Consequently, every drop in every gallon or tank car is exactly according to specifications—always. And Publicker's ultra-modern equipment and vast facilities account for outstanding service to a long list of satisfied customers. May we have the opportunity of meeting *your* requirements?



ETHYL ALCOHOL • BUTYL ALCOHOL, NORMAL
BUTYL ACETATE, NORMAL • ETHYL ACETATE
BUTADIENE • ACETALDEHYDE • ACETIC ACID GLACIAL
ACETONE C.P. • AMYL ACETATE
FUSEL OIL, REFINED • ISOAMYL ALCOHOL
PACO SOLVENT T.R. 590

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Alcohol, denat., CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis, gal. .59½- .65½
tanks, dlvd. same basis, gal. .41½- —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.

Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .56 —
l.c.l., same basis gal. .61 .67
tanks, same basis gal. .43 —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Div.

SD1, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis gal. .60½- .66½
tanks, same basis gal. .42½- —

SD2B dms., c.l. dlvd. E of Rockies gal. .54 —
l.c.l. same basis gal. .59 .65
tanks, same basis gal. 41 —

SD3A dms., c.l. dlvd. E. of Rockies gal. .53 —
l.c.l., same basis gal. .58 .64
tanks, same basis gal. .40 —

SD23A. dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l. same basis gal. .60½- .66½
tanks, same basis gal. .42½- —

SD23H. dms. c.l. dlvd. E of Rockies gal. .56 —
l.c.l. same basis gal. .61 67
tanks, same basis gal. .43 —

SD29 dms., c.l., dlvd. E. of Rockies gal. .54½ —
l.c.l., same basis gal. .59½- 65½
tanks, same basis gal. .41½- —

SD30 dms c.l. dlvd. E of Rockies gal. .53 —
l.c.l., same basis gal. .58 .64
tanks, same basis gal. .40 —

SD35A dms. c.l. dlvd. E of Rockies gal. .56 —
l.c.l. same basis gal. .61 67
tanks, same basis gal. .43 —

SD40 dms. c.l. dlvd. E of Rockies gal. .54 —
l.c.l., same basis gal. .59 65
tanks, same basis gal. 41 —

West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana Oregon and Washington, where a 5c. differential on tankcars is maintained.

Diacetone, acetone-free, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14½- —
tanks, dlvd lb 11½- —

Ethyl 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies gal. 20.48 - —
tanks same basis gal. 20.35 —
tax free, dms., c.l., dlvd. E. of Rockies gal. .53 —
l.c.l. same basis gal. .58 .64
tanks, same basis gal. .40 —

absolute, 200 pf., tax paid, dms., c.l., dlvd. E of Rockies, gal. 21.59 - —
l.c.l. same basis gal. 21.65 -21.69
tanks, same basis gal. 21.45 —

2-Ethylbutyl, dms., c.l., works lb. 29½- —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —

2-Ethylhexyl, dms., c.l., dlvd. E. lb. .23¾- —
l.c.l. same basis lb. .24¾- —
tanks, same basis lb. .21¾- —

Furfuryl, cns., works lb. .29 - —
dms., c.l. Cedar Rapids, Ia lb. .21 - —
Newark, N. J lb. .21½- —
l.c.l. Cedar Rapids, Ia lb. .22 - —
Newark N J lb. .22½- —
tanks Memphis Tenn lb. .184 - —

Hydroabietyl, tech., solid, Zone 1, dms. c.l., dlvd lb. .27 - —
l.c.l., dlvd lb. .27½- —
tanks, dlvd lb. .25 - —

Isoamyl, dms., c.l., works, frt. alld, E lb. .34 - —
l.c.l., same basis lb. .35 - —
tanks, same basis lb. .32 - —

Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12 - —

Iso-octyl, dms., c.l., dlvd. E lb. .23 - —
l.c.l., dlvd E lb. .24 - —
tanks, dlvd. E lb. .21 - —

Isopropyl, refd., 91%, dms., c.l., dlvd gal. .48 - —
l.c.l., dlvd gal. .55 - —
tanks dlvd gal. .35 - —
95%, c.l., dlvd gal. .50 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .37 - —
99%, dms., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .59 - —
tanks, dlvd gal .39 - —

Lauryl, bots lb. 2.00 - 2.50

Methyl (see Methanol).

Methylamyl (see Carbinol, methyl isobutyl).

Octyl perfumer's grade, bots lb. 1.75 - 3.25
tech. (see Octanol, normal).

2-Phenylethyl, extra, dms lb. 1.14 - 1.45
standard, dms. lb. 1.18 - 1.48

n-Propyl, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd lb. .13 - —
tanks, dlvd lb. .10 - —

Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa lb. .54 - —
dms. c.l., Niagara Falls, N Y. lb. .44½- —
l.c.l. Newark, N. J., Cedar Rapids, Ia lb. .47 - —
tanks, Niagara Falls, N. Y lb. .43 - —
indust. grade, dms., c.l., Niagara Falls, N. Y lb. .305 - —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .33 - —
tanks, Niagara Falls, N. Y. lb. .29 - —

Tridecyl, mixed isomers, dms., dlvd lb. .26 - —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .24 - —

Wood (see Methanol).

Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —

Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .85 - —

Aletris root, bgs lb. 1.75 - 1.85

Algin (see Sodium alginate).

Alizarine (see 1,2-dihydroxy anthraquinone).

Allethrin, 90%, dms. frt. alld lb. 28.80 -28.90
soln., 20%, dms., 200-2,000 lb. lots, frt. alld lb. 6.50 - 6.55
2½% dms. frt. alld lb. .95 - 1.00

Allspice (see Pimento).

Allyl bromide, cbys., works lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd lb. .17 - —
l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .15 - —

Starch, solid, dms., works lb. .52¾- .54¾
solution, 40% toluol-butanol, dms., works lb. .25½- .26¼

Aloe, Cape, cs lb. .45 - .48
powd., cs lb. .50 - —
Curacao, kgs lb. .50 - .55

Aloin, USP, bbls., dms., kgs lb. 3.75 - 3.82

Alphanaphthol (see a-Naphthol).

Alphanaphthylamine (see a-Naphthylamine).

Alphanitronaphthalene (see a-Nitronaphthalene).

Alphapicoline (see a-Picoline).

Alphaterpineol (see a-Terpineol).

Alphatocopherol (see a-Tocopherol).

Alum, ammonium, gran., bgs., works 100 lbs 4.30 - —
lump, dms., works 100 lbs. 5.05 - —
powd., dms., works 100 lbs. 5.20 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms. lb. .07¾- .08

Potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works 100 lbs. 5.30 - —
powd., dms., works 100 lbs. 5.45 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08

Potash-chrome, dms lb. .17 - —

Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 5.00 - —

Alumina, calcined, bgs., c.l., works. lb. .0425- —
l.c.l., works lb. .045 - .055

Aluminum acetate, basic soln., 24%, bbls. l.c.l. works lb. .14 —

Chloride coml., anhyd. dms., c.l., works, frt. equald lb. .15½- —
l.c.l. works, frt. equald, lb. .16 - —
crvst., dms., c.l., works lb. .1450- —
l.c.l., works lb. .1500- —
soln 32°, cbys., c.l., works lb. .0445- —
l.c.l. works lb. .0520- .1295
tanks, works 100 lbs 3.45 — —

NF, gran., dms., works lb. .29 .30

Fluoride tech. anhyd. bgs., c.l., works lb. .15¾ —
l.c.l. works lb. .16¾- .18¾
Aluminum fluoride in fib dms. 0.35c per lb higher

Formate, basic soln., dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½- —

Hydrate heavy bgs., c.l., frt. equald lb. .0295- —
2,000-20,000 lb lots same basis lb. .042 - —
bulk, same basis lb. .027 - —
light, bgs., dlvd lb. .18 - —

Aluminum hydroxide, gel, pharmaceutical, 14-15%, Al_2O_3, fib. dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib. dms., works lb. .82½- —
contract, works lb. .79½- —
tech., powder (see Aluminum hydrate).

Metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .2440- —
pigs 10,000-lb. lots, frt. alld, lb. .2250- —

Oxide, amorphous (see Alumina, calcined).

Paste, lining, extra-fine, dms lb. .65½- —
standard grade, dms. lb. .45½- —

Powder, lining, extra, fine, dms. lb. 1.05½- —
standard grade, dms lb. .75 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., 2.1% Al, dms., frt. alld lb. .30½- —

Aluminum stearate, dibasic, ctns., c.l. lb. .37 - —
l.c.l. lb. .38 - 42
monobasic, ctns., c.l. lb. .37 - —
l.c.l. lb. .38 - 42
tribasic, ctns., c.l. lb. .37 - —
l.c.l. lb. .38 - 42

Sulfate, coml., bulk, c.l., works. 100 lbs 1.85 - —
grd., bgs., c.l., works ton 37.00 - —
lump, bgs., c.l., works ton 40.00 - —
iron-free, bgs., c.l. works, frt. equald 100 lbs. 3.55 - —
l.c.l., works, frt. equald. 100 lbs. 3.95 —
Prices $1 per ton higher in the south.

USP, gran., dms., works lb. .16 .18
powd., dms., works lb. .36 .37
Trihydrate, heavy (see Aluminum hydrate, heavy).

Ambergris, gray, bots oz. 8.00 -10.00

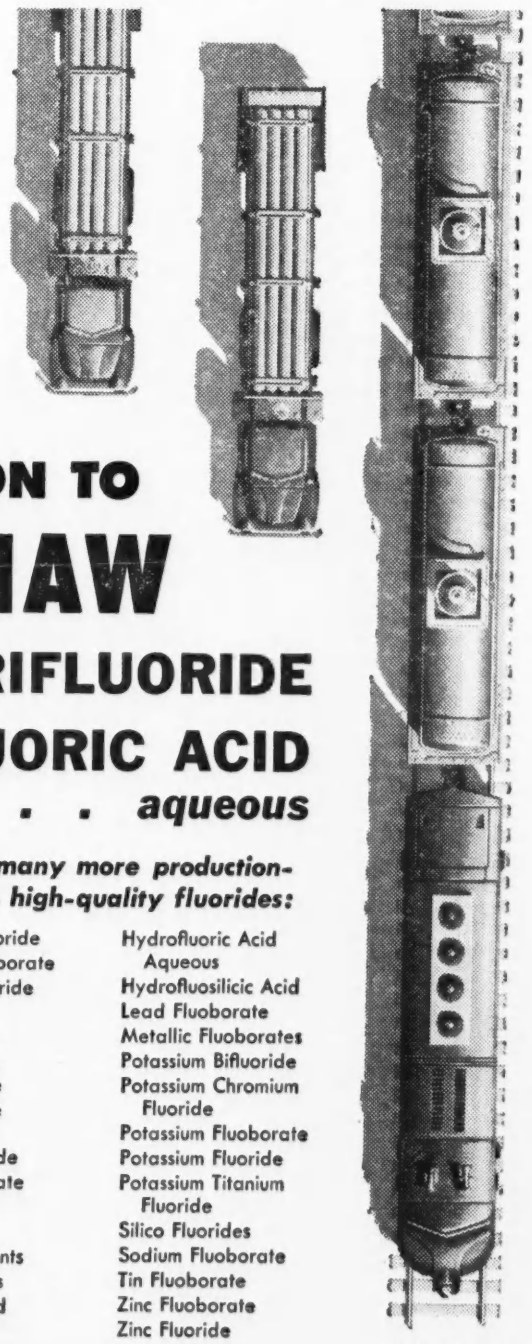
Aminoazotoluene base bbls., 100% basis lb 1.03 1.18

o-Aminobiphenyl, dms. c.l. works lb. .32½- —
l.c.l. works lb. .33 - —
tanks, works lb. .31 - —

Aminoethyl ethanolamine, dms., c.l., dlvd lb 46½- —
l.c.l. dlvd. lb. .45 - —
tanks, dlvd lb. .43 - —

2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld lb. .44 - —
l.c.l., frt. alld lb. .45 - —
tanks, frt. alld. lb. .42 - —

m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
smaller lots lb. 2.50 - —



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BORON TRIFLUORIDE
HYDROFLUORIC ACID
anhydrous . . . aqueous

Here are many more production-controlled, high-quality fluorides:

Ammonium Bifluoride
Ammonium Fluoborate
Antimony Trifluoride Sublimed
Barium Fluoride
Bismuth Fluoride
Boron Trifluoride
Boron Trifluoride Complexes
Chromium Fluoride
Copper Fluoborate
Fluoboric Acid
Fluorine Cells
Fluorinating Agents
Frosting Mixtures
Hydrofluoric Acid Anhydrous
Hydrofluoric Acid Aqueous
Hydrofluosilicic Acid
Lead Fluoborate
Metallic Fluoborates
Potassium Bifluoride
Potassium Chromium Fluoride
Potassium Fluoborate
Potassium Fluoride
Potassium Titanium Fluoride
Silico Fluorides
Sodium Fluoborate
Tin Fluoborate
Zinc Fluoborate
Zinc Fluoride

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p-Aminophenol, dms. frt. alld lb .97 - .98
Aminophylline, USP, 100-lb. dms. lb. 3.55 - —
Ammonia, anhyd. fertilizer, tanks, works, frt. equald ton 85.00 - —
refrigeration, tanks, works, frt equald ton 87.50 - —
aqueous (29.4% NH_3), dms., c.l., dlvd, Metropolitan area 100 lbs .360 - —
l.c.l., works 100 lbs 4.00 - —
tanks, works, anhyd basis ton 88.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal, gray, bgs., c.l., works, frt equald 100 lbs 8.25 —
l.c.l., same basis 100 lbs 8.65 11.15
white, gran. (see Ammonium chloride, tech.).
Ammonium acetate, purif., dms lb. .38 - —
Benzoate, USP, dms., kgs, 4,000-lb. lots frt. alld lb .80 —
smaller lots frt. alld lb .81 1.08
Biborate, gran., dms., c.l., works, ton 319.50 - —
ton lots, ex whse ton 395.00 - —
smaller lots, ex whse ton 400.00 - —
Bicarbonate, dom., dms., c.l., works, 100 lbs. 6.50 - —
l.c.l., works 100 lbs 8.00 - —
imp., dms., l.c.l. lb 07¼- 08½
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd lb. .2145- .2245
Bromide, NF, gran., bbls lb. .40 - —
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .16 - —
Chloride, tech., white, gran., fines, bgs., c.l., works 100 lbs. 5.25 - —
l.c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17½- —
Citrate, dibasic, bbls lb. .77 - —
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqueous).
Hypophosphite, NF, dms lb. 3.07 - —
Iodine, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - .55
Nitrate, dom., fertilizer grade, 33.5% N., bgs., western works, frt. equald ton 68.00 - —
with dolomite, 20.5% N bgs., Hopewell, Va ton 51.00 - —
imp., Canadian, 33.5% N., eastern bgs., c.l., ship't point, frt. equald to $8 per ton ton 70.00 - —
western bgs. c.l. f.o.b. cars, Los Angeles ton 82.84 - —
Oxalate, fine gran., dms lb 26½ .31
Pentaborate, gran., bgs., c.l., works ton 187.50 —
ton lots, ex whse ton 271.50 - —
smaller lots, ex whse ton 276.50 - —
Ammonium pentaborate powder $10 per ton higher.
Persulfate, kgs lb. .38 - .47½
Phosphate, comL bgs. c.l. works, frt. equald lb. .09 - —
l.c.l., same basis lb. .0935- —
dibasic, NF, V bbls., dms. lb. .46 - —
tech., bgs., c.l., works, frt. equald lb. .09 - —
l.c.l., same basis lb. .0935- —
Salicylate, NF, dms., kgs lb. 1.62 1.64
Silicofluoride, dms., works lb. .11¾- .13¼
Sulfamate, bgs., c.l., t.l., works, lb. .18 - —
l.c.l., works lb. .22 - —
Sulfate, coke-oven bulk producing ovens, base price ton 42.00 -45.00
syn., bulk, c.l., works ton 42.00 -46.00
purif., dms., works lb .09 .09½
Sulfide, liq., 40-44%, tanks, frt. equald., 100% basis ton 160.00 - —
Sulfocyanide, tech. (see Ammonium thiocyanate)
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l. works lb. .22 .28
Thioglycollate, coml., cbys., 100% basis lb. 1.35 1.55
highly purif. cbys. 100% basis, lb 1.70 1.96
Thiosulfate cryst., photo grade, fib. dms., frt. alld lb. .65 - —
60% soln. dms. c.l. works lb. 05½- —
d-Amphetamine hydrochloride, dibasic, bots lb 28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb 28.00 - —
d-Phosphate, dibasic, bots lb 28.00 - —
dl, dms lb 6.00 - —
d-Sulfate, dms lb 28.00 - —
dl, dms lb 6.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., frt. alld, E. of Rockies lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
syn., oxo process, dms., c.l., dlvd lb. .19¼- —
l.c.l., dlvd lb. .20¼- —
tanks, dlvd lb. .17¼- —
ex pentane, reg., dms., c.l., dlvd lb. .17 - —
l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .15 - —
tech., dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
Alcohol (see Alcohol, amyl).
n-Butyrate, dms lb. .90 - 1.25
Cinnamic, aldehyde, dms lb. 1.75 - 2.20
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 - 1.05
o-tert-Amyl phenol, dms., c.l., works, lb. .48 - —
l.c.l. works lb. .49 - —
tanks, works lb. .46 - —
p-tert-Amyl phenol, dms. c.l. works lb. .25¾- —
l.c.l., works lb. .28¾- —
tanks, works lb. .24¾- —
Anethole, NF, cns., dms lb 1.85 —
tech., dms lb. 1.10 - 1.15
Angelica root, dom., bls lb. .60 .70
Aniline oil, dms., c.l., works, frt. alld lb. .21 - —
l.c.l. works, frt. alld lb .22 - —
tanks, works, frt. alld lb .20 - —
Salt, dms., c.l. truckloads, 20,000 lbs., min., frt. alld lb. .31 - —
l.c.l., same basis lb. .33 - —
Anise seed, Mexican, bgs lb. No prices.
Spanish, bgs., Mexican, bgs lb. .30 - .31
Anisic aldehyde, bots., dms lb. 1.80 - 2.70
o-Anisidine, dms., works lb .88 —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs. lb .24 - —
powd., dms. lb .28 - —
Anthracene, 90-95% bbls., ton lots, works lb. .83 - —
smaller lots, works lb .95 —
Anthraquinone, 99.5% bbls. c.l. frt. alld lb. .83 - —
l.c.l., same basis lb. .86 - —
electrical grade, bbls., l.c.l., same basis lb. .91 - —

Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .33 - —
es., c.l., mines lb. .33½- —
Oxide, bgs., c.l., frt. alld lb. .29 - —
l.c.l., frt. alld lb. .30½- —
Sulfide, approx. 65%, bgs., dlvd, lb. .23 - .26
Trichloride, anhyd., solid, pails, c.l., works lb .41 - —
l.c.l., works lb .43 - —
Antimony-potassium tartrate, tech., powd., dms lb. .65½- .70½
USP, powd., dms lb. .70½- .71½
Antipyrine, NF, 200-lb bbls lb 3.50 —
Apomorphine hydrochloride, USP, bots oz. 23.40 -23.90
Areca nuts, powd., bbls lb 15 16
Arecoline hydrobromide, NF, bots., tins oz 4.50 6.00
l-Arginine monohydrochloride, dms., 1 kilo lots kilo 74.80 - —
Arnica flowers (true montana), bls. lb. No prices.
Arsenic metal, lump, bbls., ex whse. lb .54 —
Trioxide, USP dms lb. .48 - —
White, powd., bbls., c.l., dlvd lb 05½- —
l.c.l., dlvd lb 06½ 07½
Asafetida, es lb .36 .39
powd., bbls., dms lb .50 .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton 1,300.00 —
No. 2, c.l. (20 tons), mines ton 675.00 - —
Run-of-mine, c.l. (20 tons) mines ton 556.00 —
3K, c.l. (20 tons) mines ton 436.00 —
3R, c.l. (20 tons) mines ton 371.00 —
3T, c.l. (20 tons) mines ton 348.00 —
3Z, c.l., (20 tons), mines ton 321.00 - —
4K, c.l. (20 tons), mines ton 173.00 - —
4M, c.l. (20 tons) mines ton 173.00 —
4T, c.l. (20 tons) mines ton 156.00 —
4Z, c.l. (20 tons), mines ton 156.00 - —
5D, c.l. (20 tons) mines ton 122.50 —
5K, c.l. (20 tons) mines ton 122.50 - —
5M, c.l. (20 tons), mines ton 116.50 —
5R, c.l. (20 tons) mines ton 110.00 —
6D, c.l. (30 tons) mines ton 78.00 - —
7D, c.l. (30 tons) mines ton 68.50 - —
7F, c.l. (30 tons), mines ton 65.00 - —
7H, c.l. (30 tons), mines ton 55.00 —
7K, c.l. (30 tons) mines ton 46.00 —
7M, c.l., (30 tons), mines ton 40.00 —
7R, c.l. (30 tons) mines ton 39.00 - —
7RF, c.l. (30 tons), mines ton 40.00 —
7T, c.l. (30 tons) mines ton 37.00 - —
7TF, c.l. (30 tons) mines ton 40.00 —
8S, c.l., (30 tons), mines ton 27.00 - —
Asbestos c.l. prices are in U. S. funds, l.c.l. lots $1 per ton higher.
Asphalt, gilsonite, black jet, bgs., c.l., mines ton 37.00 - —
select, 350° F. fusing pt., bgs., c.l., mines ton 38.00 - —
270°-295°F., fusing pt., bgs., c.l., mines ton 37.00 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton 32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —
Petroleum, cut-back, tanks, tankwagon, refy gal. .09 - —
emulsion, tanks, tankwagon, refy, gal. .09½- —
steam-refd., 50-80 penetration, tanks, tankwagon, refy ton 21.00 - —
85-300 penetration, tanks, tank wagon refy ton 20.00 —
Aspirin, (see Acid acetylsalicylic).
Atropine, USP, bots oz. 6.25 - 6.75
Sulfate, USP, bots oz. 4.00 - 4.20

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units .70 - —
less than 1,000,000,000 units, 50,000 units .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root bark, bgs lb. .28 - .30
Barbital, USP, 100-lb. dms lb. 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton 100.00 - —
smaller lots, works ton 110.00 - —
Chlorate, kgs., works lb. .32 - .36
Chloride, anhyd., bgs., c.l., works, ton 165.00 - —
l.c.l., works ton 175.00 - —
NF, cryst., dms lb. .20 - —
tech., cryst., dms., c.l., works, 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 7.00 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate, cryst., bgs., c.l., t.l., frt. equald ton 200.00 - —
l.c.l., t.l.l., frt. equald ton 210.00 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., t.l., dlvd lb. .16 - —
l.c.l., t.l.l., dlvd lb. .17 - —
Oxide, grd., dms., c.l., t.l., frt. equald ton 275.00 - —
l.c.l., t.l.l., frt. equald ton 285.00 - —
Peroxide, dms., frt. equald lb. .20 - —
Stearate, cns., c.l., frt. alld lb. .39 - —
l.c.l., same basis lb. .40 - .44
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray, dms lb. .15 - .15½
Sulfide, dms., c.l., works ton 85.00 - —
l.c.l., works ton 95.00 - —
Barytes, Southern, off-color, bgs. mines ton 25.00 - —
95-75%, bgs. mines ton 25.00 - —
water-grd., paper bgs., c.l., St. Louis ton 45.00 - —
ex-whse, N. Y. ton 65.10 - —
Bauxite, bulk, mines ton 6.75 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .35 .37
root, bls lb. .45 .50
Bentonite, dom., 200 mesh, bgs., c.l., mines ton 14.00 - —
imp., Italian, white, high gel., bgs., 5-ton lots, ex whse ton 80.60 - —
1 ton lots, ex whse ton 85.10 - —
tow gel., bgs., 5-ton lots, ex whse ton 73.95 - —
1-ton lots, ex whse ton 81.45 - —
Benzal chloride, cbys., works lb. .22 - .23½
Benzaldehyde, NF, dms lb. .74 1.05
tech., cbys., t.l., dms lb. .43 - —
smaller lots lb. .44 - —
Benzene (See Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane)
tech., high gamma, bgs., c.l., dlvd., gamma unit-lb. .0075- —
l.c.l., works, gamma unit-lb. .009 - —
low gamma, bgs., c.l., dlvd., gamma unit-lb. .007 - .0075
l.c.l., works, gamma unit-lb. .0075- .009
Benzidine hydrochloride, bbls., frt. alld., 100% basis lb 1.00 —
Benzocaine, dms. lb. 3.48 - 3.50
Benzol, coaltar, pure or nitration, tanks, works:—
Bethlehem, Pa gal. .36 - —
Birmingham district gal. .36 - —
Chicago district gal. .36 - —
Cleveland district gal. .36 - —
Benzol, coaltar, pure or nitration, tanks, works:—
Geneva, Utah gal. .36 - —
Johnstown, Pa. gal. .36 - —
Lackawanna, N. Y. gal. .36 - —
Lone Star, Texas gal. .36 - —
Lorain, Ohio gal. .36 - —
Middletown, Ohio gal. .36 - —
Minnequa, Colo. gal. .36 - —
Philadelphia district gal. .36 - —
Pittsburgh district gal. .36 - —
Sparrows Point, Md. gal. .36 - —
Syracuse, N. Y. gal. .36 - —
Terre Haute, Ind. gal. .36 - —
Youngstown, Ohio gal. .36 - —
Benzophenone, dms. lb. 1.40 - 1.70
Benzotrichloride, cbys., 1,000-lb. lots or more, frt. equald lb. .18 - —
smaller lots, frt. equald lb. .20 - —
Benzoyl chloride, cbys., dms., c.l., works frt equald lb. .22 - —
l.c.l. same basis lb. .23 - —
tank trucks, dlvd Metropolitan area lb. .21 - —
Peroxide, purif., fib. dms. 50 to 1,000-lb. lots, works lb. .98 1.08
Benzyl acetate, t.f.c. cns. dms lb. .62 1.04
Alcohol (see Alcohol, benzyl)
Benzoate, USP, f.f.c. cns. dms lb .62 1.10
Chloride, tech., 13-gal. cbys., dms., c.l., works, frt. equald, lb. .23 - —
l.c.l., same basis lb. .24 - —
tank trucks, same basis lb .21 - —
A 2½c differential is quoted on benzyl chloride in 5-gal cbys. in steel dms. prices were ½c lower.
Cinnamate, cns lb. 3.60 - 3.90
Formate, cns lb 1.30 2.10
Isoeugenol, cns. lb 8.60 9.10
Propionate, bots. lb 1.35 1.65
Salicylate, bots. lb 1.50 1.85
Benzylidine acetone, bots lb 1.68 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns lb. 35.00 -36.25
Hydrochloride, bots lb. 35.00 -36.25
Betagammapicoline (see b,g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine)
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride technical)
Biotin cryst., bots gram 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars lb. 3.11 - —
Hydroxide, dms lb 4.65 —
Metal, bxs. ton lots lb 2.25 —
Nitrate cryst., dms lb 2.10 2.17
Oxide, anhyd., dms lb 4.47 5.05
Oxychloride, dms lb 4.37 4.42
Phenolsulfonate, fib. dms lb 5.22 —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms lb 5.37 - —
Subnitrate, NF dms lb 2.65 - —
Subsalicylate, USP, dms lb 3.50 - —
Bismuth-ammonium citrate, USP, powd. jars lb 4.22 - —
Black, acetylene, imp., bgs., c.l., duty and freight extra lb. .17 - —
es., l.c.l., ex whse lb. .22½- .26
Ash (see Barium sulfide)
Bone, dms l.c.l. frt alld lb 12 23¼
Pacific coast bone black prices 2c. per lb. higher.
Carbon, channel, pigment, high color, beads, ctns., c.l., works, lb. .72 - —
l.c.l. dlvd or whse lb .78 - —
medium color, uncompressed, bgs. c.l. works, lb. .12 - —
l.c.l. dlvd or whse, lb. .19 - —
rubber beads, bulk, c.l., works lb. 07 - —
bgs. c.l., works lb. .074 - —
l.c.l., works lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l. works, lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l. dlvd. or whse lb. .122 - .125
high modulus, bgs., c.l., works, lb. .0550- —
ctns. l.c.l. whse lb. 0950- —
semi-reinforcing, bgs., c.l., works lb. 045 - —
bgs., ctns., l.c.l., whse lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G)
Iron oxide, pure, bgs., c.l., works, lb. .13¼- —
l.c.l., works lb. .13½- —
Lamp, bgs. c.l. works lb. .16 .45
Mineral, bgs. works lb 0160- 0675
Blackberry root bark, bls lb. .45 - —
Black haw root bark, bls lb. .63 - .65
tree bark, bls lb 40 - 45
Blanc fixe, dry, byproduct, bgs., c.l., works ton 190.00 - —
l.c.l., works ton 200.00 - —
direct process, bgs., c.l., works, ton 110.00 - —
l.c.l., works ton 120.00 - —
N. Y. whse ton 155.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammonia, bgs unit-ton. 5.00 - —
high-grade, ungrounds, 16-17% ammonia, bgs., Chicago, unit-ton. 4.75 - —
soluble, bgs., c.l lb. .14 17
l.c.l. lb. .18 25
Bloodroot, bls lb. .48 - .50
Blue, alkali, dry, 250-lb. bbls. dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb 2.10 - —
toner, 125-lb bbls., litho flushed, same basis lb 1.20 - —
Chinese, bbls. same basis lb. .49 - —
Cobalt, genuine, bbls., same basis lb 4.90 - —
Imitation (see Blue, ultramarine).
Dyes (see Dyes)
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda)
Methyl violet toner, molybdated, PMA, bbls., same basis lb. 2.60 - 2.75
tungstated, PTMA, bbls., same basis lb. 4.00 - 4.15
Milori, bbls., same basis lb. .49 - —
Peacock, fugitive, 100% color strength, bbls., same basis, lb. .75 - .85
Phthalocyanine, full strength, bbls., same basis lb 3.45 - —
resinated, bbls., same basis lb 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .49 - —
soluble, bbls., same basis lb. .49 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. 30½- .35
jobbing types, bbls., same basis, lb. .16½- .18½
regular types, dry, bbls., same basis lb. .22½- .35
Blue, victoria toner, molybdated, PMA, bbls lb. 4.10 - —
tungstated, PTMA, bbls lb. 5.15 - 5.35
Blue dry colors, dlvd. prices ½c higher Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Vitriol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E ton 65.00 - —
Los Angeles ton 82.00 —
Bone phosphate defluorinated (see D) of lime (see Calcium phosphate, tribasic).
precipitated (see Calcium phosphate tribasic, NF, precip.)
Borax, tech., anhyd., 99½%, bgs. c.l., works ton 80.50 - —
ton lots ex whse N. Y. or Chicago ton 130.25 - —
bulk, c.l., works ton 71.50 - —
cryst., 99½%, bgs., c.l., works, ton 69.25 - —
ton lots, ex-whse., N. Y. or Chi ton 119.00 —
smaller lots, same basis ton 124.00 - —
gran., decahydrate, 99½%, bgs. c.l., works ton 43.25 - —
ton lots, ex whse., N. Y., Chi ton 93.00 - —
smaller lots, same basis ton 98.00 - —
bulk, c.l., works ton 36.75 - —
pentahydrate, 99½%, bgs., c.l., works ton 57.75 - —
ton lots, ex whse., N. Y. Chi ton 107.50 - —
smaller lots, same basis ton 112.50 - —
bulk, c.l., works ton 51.25 - —
powd., 99½%, bgs., c.l., works ton 48.25 - —
ton lots, ex-whse., N. Y. or Chi ton 98.00 - —
smaller lots, same basis ton 103.00 —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. pt lb. .18 .24
l.c.l., same basis lb. .19 .26
Borneol, cns lb. 2.50 4.50
Borontrifluoride gas, cyls., truckload works lb. .62 - —
l.t.l., works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., t.l., dlvd, E. of Rockies lb. .31 - —
l.c.l., same basis lb. .33 .38
ret. dms., c.l., t.l. dlvd, E. of Rockies lb. .30 —
l.c.l. same basis lb. .30 .32
tanks, same basis lb. .21½ —
Bromochloromethane, dms., c.l., frt. equald lb. .48 - —
l.c.l., same basis lb. .50 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (See A).
Brown, iron oxide, pure, bgs., c.l., works, lb. .14¼- —
l.c.l., works lb. .14½- —
Oxide, metallic, bgs., works lb. .04 - —
Sienna, burnt., paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt., American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- .07
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¾- —
l.c.l., works lb. .07 - —
raw, American, bgs., works lb. .06¼- .06½
Turkey-type, bgs., works lb. .06¾- .07
Vandyke, bbls., works lb. .09½- .12
Brucine, cns., 100-oz. lots oz. .20 - .25
Sulfate, NF, cns., 100-oz. lots oz. .15 - .20
Buchu leaves, bls lb. .65 - —
Butadiene, refd., cyls., c.l. refy lb. .21 - —
l.c.l., refy. lb. .22 - —
tanks, refy lb. .15 - —
Butane, indust., tanks, group 3 gal. .02½- —
N. Y. harbor gal. .08 - —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
syn., dms., c.l., dlvd, E. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
sec-Butyl acetate, syn., dms., c.l., dlvd, E lb. .12½- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
Butyl alcohol (see Alcohol, n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works lb. .37½- —
l.c.l. works lb. .38 —
Ether, dms., c.l., works lb. .32¾- —
l.c.l., works lb. .33¼- —
tanks, works lb. .31 - —
Lactate, dms., c.l., frt. alld, E. of Rockies lb. .42 - —
l.c.l., same basis lb. .47 - —
tanks, same basis lb. .40 - —
Laurate, dms., works lb. .39 - —
Methacrylate, dms., c.l., t.l., works, lb. .70 - —
l.c.l., works lb. .55½- —
Oleate, refd., dms., l.c.l., works lb. .32 - —
Phenylacetate, dms. lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equald, lb. .25 - .27
l.c.l., works lb. .26½- —
Butylamine (see mono-, di- and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .52 - —
l.c.l., works lb. .53 - —
tanks, works lb. .51 - —
p-tert-Butylphenol, bgs., c.l., works, lb. .25½- —
Butyraldehyde, dms., c.l., dlvd lb. .21½- —
l.c.l. dlvd lb. .22½- —
tanks, dlvd lb. 19½- —
Butyric ether (see Ethyl butyrate).

C

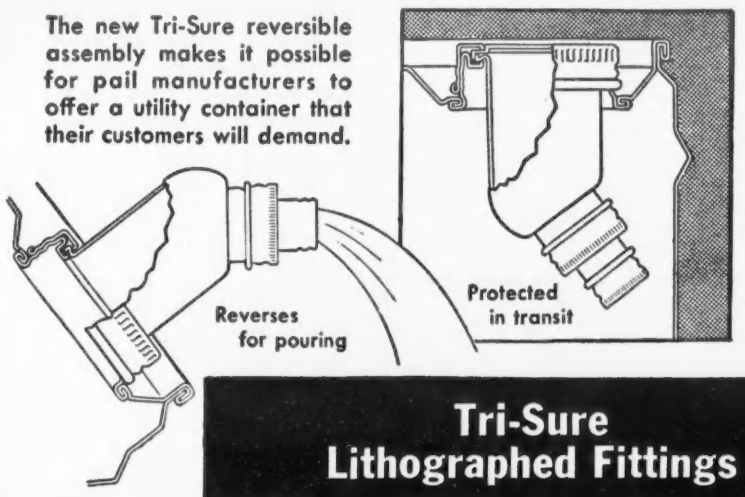
Cacao butter (see Cocoa butter).
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.00
Metal, ingots or sticks, cs., dlvd, lb. 1.70 - —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, dms., 100-lb. lots or more lb. 2.80 - —
syn., cryst., anhyd., dms., 100-lb. lots or more lb. 3.00 - —
hydrous, 100-lb. lots or more lb. 2.80 - —
citrated, USP, dms., 100-lb. lots or more lb. 2.70 - —

New South American Plant

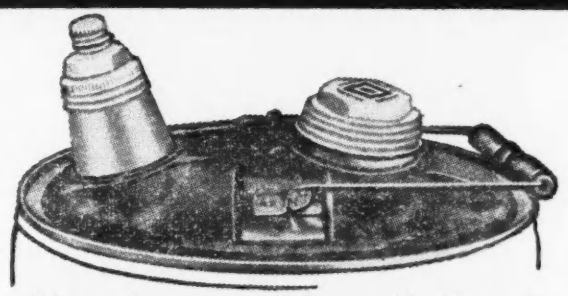
The new Tri-Sure subsidiary, Tri-Sure S/A Indústria e Comércio, Sao Paulo, Brazil, supplies a complete line of closures for drums and pails.

Tri-Sure Reversible Spout

The new Tri-Sure reversible assembly makes it possible for pail manufacturers to offer a utility container that their customers will demand.



Tri-Sure Lithographed Fittings



Lithography protects fittings, adds life and color and provides a base for private designs on the caps.

Tri-Sure® progress is your protection

when you ship drums, pails or cans

These new Tri-Sure* products, all introduced in the past 12 months, are the outgrowth of research and tests that are constantly being made to maintain the utmost efficiency in Tri-Sure Closures and Service Tools.

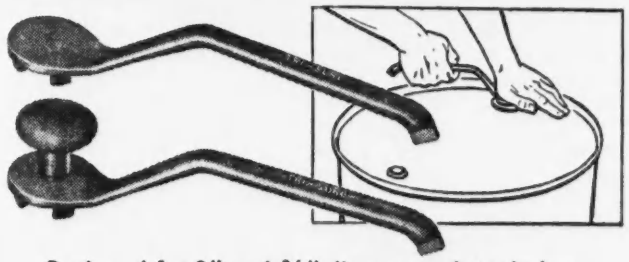
35 Years' *continuing* search for improvements has provided important benefits to every user of Tri-Sure Products because drums and pails are protected by closures that have the most advanced features, provide maximum security, and are the last word in ease of operation.

Now more than ever, it will pay you to specify *Tri-Sure Closures* on every order for drums, pails or cans—and to consult Tri-Sure sales engineers whenever you have a closure problem.

**The "Tri-Sure" Trademark is a mark of reliability backed by over 35 years serving industry.*

Always specify **Tri-Sure** Reg. U. S. Pat. Off. **CLOSURES**

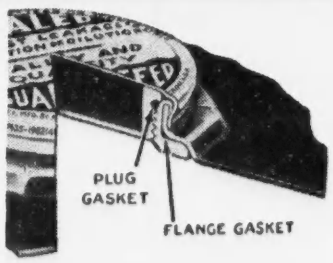
Tri-Sure Offset Plug Wrenches



Designed for 2" and ¾" die cast and steel plugs. Hand rest enables head to be held down firmly while handle is turned. Offset handle keeps knuckles free of drum chime.

Tri-Sure Heat-Resistant Gaskets

Standard Buna Gaskets for Tri-Sure Flanges and Plugs are further improved and have longer life. The new Hypalon Gaskets give improved gasketing qualities to chemical products.



AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
Tri-Sure Products Limited, St. Catharines, Ontario, Canada
Tri-Sure S/A Indústria e Comércio, Sao Paulo, Brazil
B. Van Leer N. V., Stadhouderskade 6, Amsterdam, Holland
Van Leer Industries, Ltd., Seymour House, 17 Waterloo Place, Pall Mall S.W. 1. London, England

Calamine, USP, dms ..... lb. .34 - —
Calciferol, cryst., vials, 1-kilo lots, works gram. .60 - —
25 to 100 gram lots, works, gram. .65 - —
in edible oil (see Viosterol)
Calcium p-aminosalicylate, fib, dms., 1,000 lb. lots, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Arsenate, dealers, drums., c.l., whse., works, frt. alld, on 90 lbs. or over lb. .09 - .10
l.c.l. same basis lb. .10 - —
Bromide, NF, jars lb. .94 - .98
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 - —
Carbonate, nat., dry-grd., air floated,, 325 mesh, bgs., c.l., works ton 7.50 - 10.00
chalk, whiting, 325 mesh, bgs, works, ton 32.00 - 34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton.30.00 - —
10 to 20 microns, bgs, c.l., works ton 17.00 - 18.00
precip., dense, bgs., c.l., works, ton.32.50 - —
l.c.l., works ton.42.50 - —
medium, bgs., c.l., works ton.38.00 - —
l.c.l., works ton.48.00 - —
surface treated, bgs., c.l., works ton.37.50 - —
l.c.l., works ton.47.50 - —
ultrafine, bgs., c.l., works ton 110.00 - 160.00
l.c.l., works ton 120.00 - 175.00
Chloride, cryst., purif., dms lb. .27 - —
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.29.00 - —
liquor, 40%, tanks, frt. equald ton 12.35 - —
pellets, bgs., c.l., works ton.35.40 - —
powd., bgs., c.l., works ton.39.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.27.50 - —
l.c.l., works, same basis, ton.34.00 - 71.00
USP, gran., dms. lb. .32 - —
Chromate, bgs., frt. equald lb. 29½ - .30
Cyanide, dms., dlvd E. of Rockies lb 24 - .50
Cyclamate, 100-lb. fib. dms lb. 2.95 - —
Gluconate, AA, bbls., dms lb. .74 - .76
USP, bbls., dms lb. .67 - .69
Hydride, dms., works lb. 2.15 - 3.00
Hydrochlorite, high test, cased (45 lbs.), dlvd. E. of Rockies, cs.22.00 - 24.75
dms. 100-lb. same basis dm. 28.65 - 32.80
Hypophosphite, dms., ton lots or less lb .90 - .93
Iodide, jars lb 4.52 —
Lactate, NF, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb 41 - 48
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca., dms., frt. equald lb. .27¼ - —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton.46.00 - —
tech., dms., works lb. .13 - —
Pantothenate, jars, 100-gram lots or more, frt. adjusted gram. .06 - —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms lb 70 - —
Phosphate, dibasic, USP, bgs., c.l., frt. equald 100 lbs. 7.75 - —
l.c.l., frt. equald 100 lbs. 8.50 - —
feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton.74.00 - —
l.c.l., frt. equald ton.79.00 - —
20% P, bgs., c.l., t.l., frt equald ton.84.55 - —
l.c.l., frt. equald ton.96.00 - —
21% P, bgs., c.l., t.l., frt equald ton.84.00 - —
l.c.l., frt. equald ton.89.00 - —
monobasic, bgs., 10,000-lb. lots, frt. equald 100 lbs. 6.90 - —
smaller lots, same basis, 100 lbs. 7.40 - —
tribasic, NF, precip., bgs., c.l., frt. equald 100 lbs. 8.25 - —
l.c.l., frt. equald 100 lbs. 9.00 - —
Phytate, bgs., works lb. .50 - —
Resinate, precip., dms., frt. alld., works lb. .30½ - —
Silicate, hydrated, bgs., c.l., works, lb. .06 - —
l.c.l., works lb. 06½ - —
paint grade (see Wollastonite).
Stearate, ctns., c.l. ..... lb. .37 - —
l.c.l ..... lb. .38 - .42
Sulfate (see Gypsum).
Calomel, USP, powd., dms lb 5.42 - —
Camphene 46° m.p. dms. incl., c.l., works lb. .15 - —
l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .12½ - —
Chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.25 - 3.67
nat. USP powd. cs. 100-lb lots, lb. .85 - —
tablets, 1-oz., ½-oz. cs lb. .85 - —
syn. tech., 1 bbl or more lb. .52 - —
USP, gran., powd., bbls., 2,000-lb. lots lb. .59 - —
1,000-lb lots lb 60 - —
smaller lots lb 61 - —
tablets, tins, 2,000-lb. lots lb 90 - —
1,000-lb. lots lb 91 - —
smaller lots lb 92 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb 2.00 - 2.05
powd., bxs lb 2.25 2.30
Russian, bgs lb 4.00 4.05
powd., bxs lb. 4.35 - 4.40
Capsicum (see Pepper red).
Oleoresin, NF, from domestic pepper, dms lb 4.50 - 5.25
from African pepper, dms lb 4.35 5.00
Caraway seed, Dutch, bgs lb. .16¾ - .17½
Carbazole, 97%, bbls. ton lots, works lb 1.05 —
Carbinol, methyl isobutyl (see Methyl isobutyl carbinol)
Carbon dioxide, indust., wholesale, bulk, dlvd metropolitan area, ton.73.00 - 115.00
cyls., same basis lb. .08 —
solid, same basis lb. .035 .040
Disulfide, 55-gal. dms., c.l., works, frt. alld. to competitive points lb. .07 - —
l.c.l. same basis lb. .08½ - .09
5-gal. dms., 30 dms. to c.l., same basis lb. .13 - —
less than 30 dms lb. .16 - —
tanks, same basis lb. .0515 - —
Tetrachloride, CP, consumers dms., c.l., l.c.l. frt. alld lb. .11½ - .13¾
tech. consumers, dms. c.l. E. Rockies, frt. alld lb. .10½ - —
W. of Rockies, f.o.b. stockpoints lb. .11 - —
l.c.l., E. of Rockies, frt. alld lb. .12¾ - —
W. of Rockies, f.o.b. stockpoints lb. .13¼ - —
tanks, E. of Rockies, frt. alld lb. .09½ - —
W. of Rockies, f.o.b. stockpoints lb. .10 - —

Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom seed, bleached, "A" lb. 3.20 - —
"B" lb. 3.10 - —
decorticated, Ceylon, cs lb. 1.95 - —
Guatemalan, cs lb. 2.95 - —
green, Ceylon, bgs lb. 2.00 - —
Carmine, No. 40, NF, bulk, 100-lb lots or more, dlvd lb 14.40 —
smaller lots, dlvd lb 14.50 - 15.20
Carotene, tech., 1,350,000 A units per gram, tins, 5-10 kilo lots, dlvd gram. .38 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .12 - —
Microcrystalline in oil, 400,000 A units per gram, dms., dlvd, million units. .26 - —
b-Carotene, pure, crystalline, 1,600,000 A units to 1,670,000 per gram., cns gram. .40 - —
in vegetable oil, 400,000 A units per gram, cns. gram. .096 —
Carvol, bots lb. 4.50 8.00
Cascara sagrada bark, bulk lb. .30 .31
Casein, dom., acid precip., standard, bgs., 10,000 lb. lots or more, shipt. point lb. .30 - .31
premium, bgs., 10,000 lb. lots or more, shipt. point lb. .35 - .40
imp., Argentine, acid-precip., grd., bgs., c.l., duty paid lb. .30 - .31½
New Zealand, same basis lb. .30 Nom.
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J lb. .22 - —
ton lots, same basis lb 23 - —
dm lots same basis lb 25 - —
Cassia, Batavia, cuttings, bls lb. .18 - —
longstick, cracked, bls lb. .20 - —
shortstick, cracked, bls lb. .19 - —
Corinje, bls. lb. .21 - —
Castor beans, bgs., f.o.b. Brazil ton.120.00 - 125.00
Oil (see Oil, castor)
Pomace, bgs., c.l., works ton.40.00 - —
Castoreum, nat., cns lb 5.00 - 30.00
syn. cns lb 9.00 —
Catechol, CP, cryst., fib. dms., works lb. 2.17½ - —
resub., dms., works lb. 4.29½ - —
Catnip leaves, Southern, bls lb. 75 - —
Celery seed, French, bgs lb. .28 - .29
Indian, bgs lb. .16 - —
Cellulose acetate, flake, powd., ctns., bgs., 100-lb lots or more, dlvd E lb. .35 .46
Acetate-butyrate, powd., 17% butyryl content, bgs., dlvd E. lb. .545 .555
27% butyryl content, bgs., dlvd. E lb. .595 .605
38% butyryl content, bgs., dlvd E lb. .545 .555
50% butyryl content, bgs., dlvd E lb. .585 - .595
half-second, bgs., dlvd E. lb 545 - .555
Scrap (see Pyroxylin scrap).
Cerium chloride, dms., dlvd. lb. .35 - —
Hydrate 74% CeO_2, fib. dms., 100-lb. lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works, lb. 1.32 - —
Oxide, optical grade, bgs., 50-lb. lots or more, dlvd lb 1.85 - 1.98
smaller lots, dlvd lb 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs lb 65 - —
Roman, cs lb 1.50 - —
Charcoal, activated, NF, fib. dms., c.l., works lb 25 - .32
5-ton lots, works lb. 25½ - .32½
smaller lots works lb. 27 .50
Bone (see Black, bone).
Hardwood, briquets, bulk, c.l., f.o.b. plant ton.72.00 - 75.00
40-lb. paper bgs., same basis, ton.76.00 - —
Pinewood, gran., bgs., c.l., works, South ton.57.00 - —
l.c.l., works, South ton.57.00 - 67.00
lump, bgs., c.l., works, South, ton.53.50 - —
l.c.l., works, South ton.56.50 - 71.00
bulk, c.l., works, South ton.38.00 - —
t.l., works, South ton.41.00 - —
Chestnut extract, liq., 25% tannin, tanks, works lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1032 - —
l.c.l., works lb. .1102 - —
Chloral, tech., 94% min., dms., c.l., multiple units, 5 cars, works, l.c.l. works lb. 24 - —
tanks, works lb. 21 - —
Hydrate, USP, 40-lb. pars, 1000-lb. lots lb. 1.00 - —
500-lb. lots lb 1.03 - —
100-lb. lots or less lb 1.05 - —
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlordan, agricultural, dms., c.l., frt alld lb. .65 - —
l.c.l. 5,000 to 10,000-lb. lots, frt alld lb. .66 - —
clarif., dms., c.l., frt. alld lb. .69 - —
l.c.l. 5,000 to 10,000-lb. lots, frt. alld lb. .70 - —
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .15½ - —
l.c.l. same basis lb. .16½ - —
70%, dms., c.l., same basis lb. .18 - —
l.c.l. same basis lb. .19 - —
rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
125, 1,000 cps. ctns. c.l., works lb. .65 - —
l.c.l., works lb. .66 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .10¼ - —
l.c.l., Metropolitan area lb. .11¼ - .13
tanks, single units, works, frt. equald 100 lbs. 3.05 - —
multiple units, 5 cars, works, frt. equald 100 lbs. 3.92 - —
3 cars, same basis 100 lbs. 4.12 - —
2 cars, same basis 100 lbs. 5.12 - —
1 car, same basis 100 lbs. 7.12 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., c.l., frt. equald lb. .75 - —
l.c.l., same basis lb. .80 - —
o-Chloroaniline, dms., c.l., works, frt. equald lb. .70 - —
l.c.l., same basis lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald lb. .75 - —
o-Chlorobenzaldehyde, dms., t.l., works lb. 1.05 - —
l.t.l., works lb. 1.20 - —

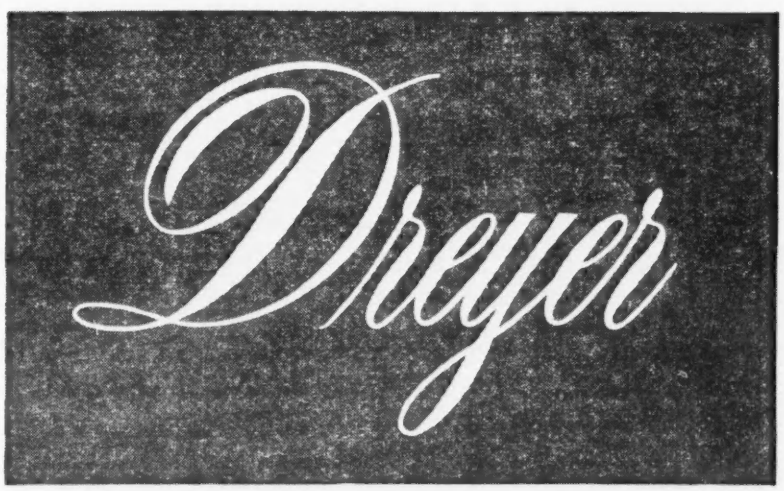
p-Chlorobenzaldehyde, dms., works, lb. 1.95 - 2.00
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms lb. .30 - —
2-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis lb. .81 - —
powd., dlvd. E., 100% basis lb. .86 - —
4-Chloro-2-nitroaniline, powd., dlvd. E lb. .80 - —
o-Chlorophenol, dms., c.l., frt. equald. lb. .35½ - —
l.c.l., same basis lb. .36½ - —
p-Chlorophenol, dms., c.l., frt. equald lb. .35½ - —
l.c.l. same basis lb. .36½ - —
Chlorophyll, oil-soluble, not fixed, 4%, pails, tins, works lb. 4.25 - —
copper fixed, 6½%, tins, pails, works lb. 4.23 - —
dms., pails, works lb. 3.75 - —
8%, pails, dms., works lb 4.60 - 4.80
14% dms., works lb 8.90 - —
conc., dom., 50%, dms., works, 100% basis lb.42.00 - —
75% dms. works, 100% basis lb.45.00 - —
90% 100%, dms. works, 100% basis lb.45.00 - —
imp. 60%, tins 100% basis lb.58.00 - —
75%, tins, 100% basis lb.58.00 - —
90%, tins, 100% basis lb.58.00 - —
Chloropicrin, coml., bots lb. 1.50 - —
cyls., 150 lbs., frt. alld lb. .95 - —
100 lbs., same basis lb. .97 - —
25 lbs., same basis lb. 1.22 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 6.85 - 9.00
Choline bitartrate, fib. dms., frt. adjusted lb. 1.25 - 1.35
Chloride, fib. dms., frt. adjusted, lb. 1.25 - 1.35
Dihydrogen citrate, fib. dms., frt. adjusted lb. 1.25 - 1.35
Chromium acetate, soln., 7½%, bbls., works lb. .09½ - —
cbys., works lb. .11¼ - —
Fluoride, bbls., works lb. .51 - .52
Green (see Green, chrome).
Oxide (see Green chromium oxide).
Trioxide, NF, bots lb. .82 - .89
Yellow (see Yellow chrome).
Cinchona bark, NF, red, broken, bgs lb. .35 - .40
yellow, broken, bgs lb. .35 - .40
Cinchonidine, cryst., cns. 100-oz. lots, oz. .65 - —
Sulfate, cns., 100-oz. lots oz. .35 - —
Cinchonine, cryst., cns., 100-oz. lots, oz. .52 - .57
Sulfate, NF, cns., 100-oz. lots oz. .27½ - .30½
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, cns., dms. lb. 1.00 - 1.30
Cinnamon, Ceylon, No. 2, bgs lb. .62 - —
"0000," bgs., afloat lb. Nom. - —
Citral, bots., cns lb. 5.65 - 5.90
Citronellal, bots., dms lb. 3.10 - —
Citronellol, bots., dms. lb. 4.85 - 5.15
Civet, artif., bots lb 13.75 - 15.00
nat., bots oz. 7.50 - 15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn. ton.19.50 - —
crushed, shed moisture, bulk, c.l., Tenn ton.10.00 - —
purif., bgs., c.l. Tenn ton.20.50 - —
imp., airfloated, bgs., c.l., Atl. port long ton.42.00 - 45.00
lump, bulk, Atl. port long ton.27.00 - 30.20
China, dom., dry-grd., airfloat, 99% 325 mesh, bgs., c.l., Georgia works ton.10.00 - —
l.c.l. Georgia works, ton.15.50 - —
300 mesh, bgs., c.l., Georgia, works ton.13.50 - 14.50
l.c.l. ton.35.00 - 36.00
imp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.20.00 - 35.00
powd., bgs., c.l., ex dock net ton.50.00 —
l.c.l., ex whse net ton.60.00 - 65.00
Clove, Madagascar, bgs lb. .40 - —
Zanzibar, bgs lb. .45½ - —
CMC, crude, 96%, low or medium vis., bgs., or fib. dms., 23,000 lbs., dlvd. E., 100% basis, lb. .37 - —
less than 23,000 lbs., dlvd E. 100% basis lb. .41 - —
65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis lb. .37 - —
l.c.l., dlvd E., 100% basis, lb. .41 - —
purif., high vis. (see Gum Cellulose), standard, low or medium vis., bgs., 23,000 lbs. or over, works, frt. alld lb. .55 - —
smaller lots, same basis lb. .57 - —
CMC prices W. of the Rockies are 2c. per lb. lower and are on a works basis.
Coaltar, crude, resale for solns., dms., c.l., ex-whse gal. .255 - —
l.c.l., ex-whse gal. .275 - —
tanks, ex works gal. .155 - .159
refd., resale, dms., c.l., ex-whse, gal. .2650- .32
l.c.l., ex-whse gal. .2850- .34
tanks, ex-whse gal. .1650- .1760
Cobalt acetate, 23.7%, bbls., dlvd. lb. 1.30 - —
Carbonate, 46% powd., bgs, dlvd, lb. 2.15 - —
Chloride, 24.2% Co., kgs., dlvd., lb. 1.20 - —
Hydrate, 60-61% Co, bbls, dlvd. lb. 2.72 - —
Linoleate, fused, 6½% Co., dms. lb. .75¾ - —
liq., 6% Co., dms lb. .61 - —
Metal, 97-99% kgs., ex whse lb. 2.60 - —
Naphthenate, liq., 6% Co., dms., dlvd lb. .48¼ - —
Nitrate, 20.1% Co, bbls., dlvd lb. 1.00 - —
Oxide, black, 72½-73½% Co., kgs lb. 1.96 - —
70-71% Co., kgs lb. 1.90 - —
Phosphate, powd., 32.1% Co., kgs., dlvd lb. 1.69 - —
Resinate, fused, 3% Co., dms, lb. .29¾ - —
Sulfate, cryst., 21% Co., dms., dlvd lb. .89 - —
monohydrated, 33% Co., dms., dlvd lb. 1.40 - —
Tallate, 6% Co., dms., dlvd lb. .43¾ - —
Cocaine, USP, cns., 100-oz. lots oz. 17.80 - —
Hydrochloride, cns., 100-oz. lots, oz. 13.75 - —
Cocillana bark, bgs lb. .40 - .50
Cocoa butter, bgs lb. .51½ - —
Codeine, NF, cns., 100-oz. lots oz. 13.25 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Phosphate, USP, cns., 100-oz. lots, oz. 10.25 - —
Sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .20 - .22
blue, bls lb. .20 - .22
Colchicine, USP, bots., cns. oz. 33.50 - 40.00
Colchicum root, bls lb. .45 - .55
seed, bgs lb. .75 - 1.00
Collodion, USP, dms lb. .32½ - —
flexible, USP, dms lb. .34 - —

Colocynth, pulp, bls lb. .25 - .30
Colombo root, bls lb. .15 - .16
Condurango bark, bales lb. .40 - .50
Copaiba balsam cns., dms lb. .90 - 1.20
Copper acetate, bbls., c.l., works lb. .43 - —
l.c.l., works lb. .44 - —
Carbonate, 55%, bgs., c.l., works, lb. .3625- —
l.c.l., works lb. .3775- —
Chloride, anhyd., bbls., works lb. .43 - .46½
cryst., bbls., works lb. .32¾ - .33¼
Cyanide, tech., bbls., 20 000-lb. lots or more lb. .80½ - —
1,000-lb. lots or more lb. .81½ - —
smaller lots lb. .83½ - —
Gluconate, dms lb. 3.15 - 3.30
Hydrate, dms., c.l., frt. alld. E. Miss lb. .55 - —
l.c.l., same basis lb. .55½ - —
Metal, electrolytic, dlvd., Valley basis lb. .43 - —
Naphthenate, liq., 8% Cu, dms., frt. alld lb. .24 - —
Nitrate, tech., cryst., bbls., works, lb. .33¼ - —
Oleate, solid, 9% Cu, dms., works lb. .45 - —
Oxide, black, bbls., 100-2,000 lb. lots, works lb. .64½ - —
red, 97%, USN Type I, 100-5,000 lb. lots, bbls. lb. .69½ - —
90%, USN Type II, bbls., 100-5,000 lots or more, works, lb. .67½ - —
Oxychloride, dms., c.l., works lb. .55 - —
l.c.l., works lb. .55½ - .65½
Quinolinate, fib. dms lb. 4.25 4.50
Resinate, precip., dms., frt. alld lb. .31½ - —
Sulfate, CP, gran., bbls., works, lb. .2180- —
cryst., 99%, bgs., c.l., works, 100 lbs.14.90 - —
l.c.l., same basis 100 lbs.15.40 - 17.90
monohydrated, 35% dms., c.l., works 100 lbs.24.00 - —
l.c.l., works 100 lbs.24.75 - —
tribasic, dealers, bgs., c.l., works, frt. equald 100 lbs.32.25 - —
l.c.l., same basis 100 lbs.33.25 - 36.25
Undecylenate, dms lb. 2.00 - 3.00
Copra, Atlantic, Gulf ports, c.i.f. ton.152.00 - —
Pacific ports, c.i.f lb.147.50 - —
Coriander seed, Moroccan, bgs lb. .10½ - —
Roumanian, bgs. lb. .08 - —
Yugoslavian, bgs. lb. .08½ - .09
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.11 - —
l.c.l. 100 lbs. 7.26 - —
Syrup, 42°, dms., c.l. 100 lbs. 7.08 - —
l.c.l. 100 lbs. 7.23 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate, NNR, bulk gram. 3.50 - 3.55
Cottonseed meal, 41%, bgs., Memphis ton.56.00 - 56.50
Cramp bark, NF bls lb. .85 .9[illegible]
Coumarin, NF, cryst., dms. lb. 3.20 3.45
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots, cbys. lb. 3.05 - 3.26
Coaltar, crude, tanks, works, frt. adjusted gal. .22 —
soln., 80%, tanks, works gal. 2068-
refd., dms., c.l., works gal. .40 - .42
l.c.l., same basis gal. .50 - .53
tanks, same basis gal. .30 - .33
Wood, beechwood, cbys., dms lb. 1.60 - 1.65
hardwood, NF, bots., cbys lb. 1.30 - 1.35
pinewood, dms., l.c.l., incl. lb. 6.34 - —
c.l., incl. lb. 5.61 - —
tanks, works lb. 4.60 - —
N. Y. whse., dms., l.c.l. incl. lb. 7.45 - —
Cresol, tech., 50% below 204° C., dry above 207° C., wide distillation range, non-ret. dms., c.l., frt equald lb. .148 - —
l.c.l., same basis lb. .151 - —
tanks, same basis lb. .135 - —
USP, non-ret., dms., c.l., same basis lb. .158 - —
l.c.l., same basis lb. .161 - —
ret. dms., c.l., same basis lb. .140 - —
l.c.l., same basis lb. .145 - —
tanks, same basis lb. .145 - —
m-Cresol, 95-98%, dms., c.l., works, lb. .60 - —
l.c.l. works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .158 - —
l.c.l., same basis lb. .161 - —
tanks, same basis lb. .145 - —
2-97%, 2°C., dms., c.l., frt. equald, lb. .198 - —
l.c.l., same basis lb. .201 - —
tanks, same basis lb. .185 - —
o-Cresol, m.p. over 30°C., ret. dms., c.l., frt. equald lb. .173 - —
l.c.l., same basis lb. .176 - —
tanks, same basis lb. .16 - —
29°C., ret. dms., c.l., frt. equald, lb. .16 - —
l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .15 - —
25-29°C., dms., c.l., frt. equald lb. .153 - —
l.c.l. same basis lb. .156 - —
tanks, same basis lb. .14 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .51 - —
tanks, dlvd lb. .49 - —
Methyl ether, cns lb. 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .24¼ - .25
Cryolite, nat., indust., bgs., c.l., works 100 lbs.13.00 - —
l.c.l., works 100 lbs.14.25 - —
Insecticide, dealers, bgs., c.l., dlvd 100 lbs.16.75 - —
l.c.l., dlvd 100 lbs.17.75 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .27 - .30
l.c.l., works lb. .28 - .31½
Cubeb berries, XX, NF, bgs lb. .60 - .65
powd., cs lb. .75 - .80
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .14 - .14½
Turkish, bgs lb. .14 - —
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08½ - —
Cyanamide, fertilizer mixing grades, 21% N, gran., bgs., Niagara Falls, Ont., contract ton.55.00 - —
pulv., 21% N, bgs., works, unit-ton. 2.75 - —
Indust. grade, bgs., c.l. works ton.75.00 - —
t.c.l., bgs., works ton.96.00 - —
6-16 mesh, dms. c.l., works ton.120.00 - —
l.c.l., works ton.140.00 - —
Cyclohexane, 99%, tech., dms., c.l., works gal. .70 - —
l.c.l., works gal. .72 - —
tanks, works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½ - .37¾
l.c.l., works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l., works lb. .33½ - —
l.c.l., works lb. .35 - —
tanks, works lb. .32 - —
Cyclohexylamine, dms., c.l., works, lb. .46½ - —
l.c.l., works lb. .47½ - —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb. cyls., works, cyl.48.00 - —
6 oz. cyls., works cyl.12.00 - —
USP, hospitals, cyls., 40-gal. lots, gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2-4-D, tech., dms., c.l., works, frt. equald lb. .41½- —
l.c.l., same basis lb. .46½- .48½
Butyl ester, dms., c.l., works. lb. .43 - —
l.c.l., same basis lb. .48 - .50
Isopropyl ester, dms., c.l., works. lb. .43 - —
l.c.l., works lb. .48 - .50
Dandelion root, bls lb. .35 - .40
DDD, tech., flake, grd., fib, bgs., c.l., works lb. .45 - —
t.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt equald lb. .27 - —
smaller lots, same basis lb. .29 - —
fib dms., c.l., same basis lb. .28 - —
smaller lots same basis lb. .30 - —
1-Decanol, tech., dms., c.l., dlvd lb. .41 - —
l.c.l. dlvd. lb. .43 - —
tanks, dlvd. lb. .38½- —
Deertongue leaves, bls lb. .45 - —
Defluorinated phosphate, feed grade, 13% P. paper bgs., c.l., t.l., works ton.49.50 - —
14½% P. paper bgs., c.l., t.l., works ton.48.00 - —
17%P paper bgs., c.l., t.l., works ton.56.00 - —
18% P. paper bgs., c.l., t.l., works ton.62.10 - —
Degras, common, bbls lb .11 - .12
neutral, less 2% f.f.a., bbls lb. .21 - .22
over 2% f.f.a., bbls lb. .20 - .21
d-Desoxyephedrine hydrochloride bots lb.25.00 - —
dl- bots lb 6.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 9.15 - —
l.c.l. 100 lbs. 9.30 - —
canary, paper bgs., c.l. 100 lbs. 8.89 - —
l.c.l. 100 lbs. 9.04 - —
dark paper bgs., c.l. 100 lbs. 8.99 - —
l.c.l. 100 lbs. 9.14 - —
white, paper bgs., c.l. 100 lbs. 8.73 - —
l.c.l. 100 lbs. 8.88 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs higher.
Potato, imported, bgs lb. .10½- .11
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol diacetone).
Diacetyl, flavor grade, bots lb. 4.50 5.50
Di-sec-amyl phenol, dms., c.l., works lb. .30¾- —
t.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¾- —
t.c.l., works lb. .32¼- —
tanks, works lb. .28¾- —
o-Dianisidine fib. dms lb. 2.00 - —
Dibenzyl sebacate, dms. c.l., works. lb. .89¾- .90
t.c.l. same basis lb. .90¼- .91
tanks same basis lb. .88 - —
p-Dibromobenzene bgs., 500-lb. lots. lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd. E lb. .32 - —
t.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works lb. .66 - —
t.c.l., works lb. .66½- .67
tanks, works, dlvd lb. .64 - .64½
Tartrate dms works, frt. alld lb. .64 - —
Dibutylamine, dms., c.l., dlvd lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
2,6-Di-tert-butyl-p-cresol, dms., c.l., works lb. .91 - —
t.c.l., works lb. .95 - —
Dicaprvl phthalate dms. c.l., dlvd., lb. .30½- .31½
t.c.l., dlvd lb. .31½- .32½
tanks, dlvd lb. .29½- —
Sebacate, dms., c.l., works lb. .63 - —
t.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms. c.l., frt. alld. E lb. .12¼- —
t.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .14½- —
t.c.l., same basis lb. .17 - —
1,4-Dichlorobutane, dms., c.l. or t.l., works lb. .33½- —
t.c.l., or t.t.l., works lb. .34 - —
tanks, works lb. .32 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
t.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .51 - —
t.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —
Dicyclohexyl phthalate, fib. dms., c.l., works, frt. alld. lb. .58¼- .59
t.c.l., same basis lb. .59¼- .60
Dieldrin, dms., frt. alld lb. 1.80 - —
t.c.l., frt. alld lb. 1.85 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .26½- —
t.c.l., same basis lb. .27½- —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
t.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Ethanolamines, dms., c.l., dlvd. lb. .69 - —
t.c.l., dlvd. lb. .70 - —
tanks, dlvd lb .67 - —
Oxalate, dms., c.l., frt. alld lb. .42 - —
t.c.l. same basis lb. .43 - .45
tanks same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .27 - —
t.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .25 - —
Sulfate, dms., c.l., works lb. .18¾- —
t.c.l., works lb. .19¼- —
tanks, works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
t.c.l., same basis lb. .51½- —
tanks same basis lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
t.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E. lb. .17¼- —
t.c.l., same basis lb. .18¼- —
tanks, same basis lb. .15¼- —
Boriborate, dms., t.c.l. lb. .31 - —
Diethyl ether, dms., works lb. .47½- —
t.c.l., works lb. .48 - —
Monobutyl ether, dms., c.l., dlvd. E lb. .30¼- —
t.c.l., dlvd. E lb. .31¼- —
tanks, dlvd. E lb. .28¼- —
Acetate, dms., c.l., works. lb. .30 - —
t.c.l., works lb. .30½- —
tanks, dlvd. E lb. .28¼- —
Monoethyl ether, dms., c.l., dlvd. lb. .22 - —
t.c.l., dlvd lb. .23 - —
tanks, dlvd lb. .20 - —
Acetate, dms., c.l., works lb. .26¾- —
t.c.l., works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —
Monomethyl ether, dms., c.l., dlvd. lb. .20½- —
t.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .43½- —
t.c.l., dlvd. E lb. .44½- —
tanks, dlvd. E lb. .41½- —
Diethylstilbestrol, USP, bots., 10-kilo lots. kilo.100.00 - —
1-kilo lot kilo.110.00 - —
Digitalis leaves, USP, dom. dms., lb .90 - 1.10
Digitoxin, USP, bots gram. 5.00 - 5.50
Diglycol laurate, dms lb. .35 - .38
Stearate dms., ton lots lb. .25 - —
Dihexyl sebacate, dms., c.l., works. lb. .64 —
t.c.l., works lb. .64½- .65
tanks, works lb. .62 - —
Dihydrazine sulfate, dms., works. lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .063 - .07
Sulphate bulk gram. .063 .07
1,2-Dihydroxy anthraquinone, dms., works lb. 2.50 - —
2,2-Dihydroxy-5-5-dichloro-diphenyl-methane, pure, dms lb. 2.55 - —
tech., dms lb. 1.09 - —
Di-isobutyl ketone, dms. c.l., dlvd. lb. .15½- —
t.c.l., dlvd lb. .16½- —
tanks, same basis lb .17½- —
Phthalate dms. c.l., dlvd. E lb. .31 - —
t.c.l. same basis lb. .32 - —
tanks, same basis lb. .29 - —
Di-isobutylene dms., c.l., dlvd. E lb. .10 - —
t.c.l., dlvd. E lb. .11 - —
tanks, dlvd E lb. .08 - —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .32½- —
t.c.l., same basis lb. .33½- —
tanks, same basis lb. .30½- —
Sebacate, dms., c.l., works lb. .63 - —
t.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
Di-isopropanolamine, dms., c.l., dlvd. lb. .22¾- —
t.c.l., same basis lb. .23¼- —
tanks, same basis lb. .20¾- —
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .50 - —
t.c.l., same basis lb. .51 - —
tanks, same basis lb .48 - —
Dillseed, dewhiskered, bgs lb. .10 - .10½
nat., bgs. lb. .09 - —
Dimethyl anthranilate, cns. lb. 5.25 - 5.75
Chloroacetal, dms., c.l., works lb. .45 - —
t.c.l. works lb. .50 - —
tanks, works lb 40 - —
Ethanolamines, anhyd., dms., c.l., dlvd lb. 1.43 - —
t.c.l. dlvd lb 1.45 - —
tanks, dlvd lb 1.40 - —
70%, dms., c.l., dlvd., 100% basis, contained lb. .68 - —
t.c.l., dlvd., 100% basis lb. .69 - —
tanks, dlvd. 100% basis lb. .66 - —
Hydroquinone, dms. lb. 1.70 2.75
Phthalate dms. c.l., works lb. .29½- —
t.c.l., works lb. .30½- —
tanks, dlvd lb. .27½- —
tanks, works lb. 1.25 - —
Sebacate, dms., c.l. works lb 1.27 - —
t.c.l., works lb 1.28 - —
Sulfate, 55-gal. ret. dms., c.l. works lb. .15 - —
t.c.l. works lb .16 - —
10-gal ret dms. t.c.l., works. lb. .16½- —
Dimethylamine, 25% soln., dms., c.l., frt equald lb. 42 - —
t.c.l., frt equald lb. .42½- —
tanks, frt. equald lb. .33 - —
40% soln. dms. c.l., frt. equald lb. .39 - —
t.c.l. frt. equald lb. .39½- —
tanks, frt equald lb. .33 - —
N,N-Dimethylaniline, dms., c.l., frt. alld lb. .29½- —
t.c.l. frt alld lb. .30½- —
tanks, frt. alld lb. .28½- —
N,N-Dimethylformamide dms. works lb. .34 - .39
tanks works lb .33 - —
2,4-Dinitroaniline, dms., 1,000-lb. lots, frt. equald lb. .60 - —
smaller lots lb. .63 - —
m-Dinitrobenzene, 85°C., dms lb. .22 - —
89°C., dms lb. .24 - —
2,4-Dinitrochlorobenzene dms., c.l., frt. alld E lb. 15¼- —
t.c.l. frt alld E lb. 15¾- —
tanks frt alld. E lb. 15 - —
2,4-Dinitrophenol, bbls. lb. .37 - —
2,4-Dinitrotoluene oily, dms lb. .10 - —
refd., 63 C., dms lb. .21 - —
Dioctyl adipate dms., c.l., works. lb. .44½- —
t.c.l. works lb. .45¼- —
tanks, works lb. .42½- —
Phthalate dms., c.l., frt. alld lb. .32½- —
t.c.l. frt alld lb. .33½- —
tanks, frt. alld lb. .30½- —
Sebacate, dms., c.l., works, lb. .60 - —
t.c.l., works lb. .60½- .61
tanks, works, dlvd lb. .58 - .58¼

There's something different about



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Di-o-tolylguanidine, dms., ton lots, frt. alld lb. .60 • —
smaller lots, frt. alld lb. .61 • —
1,4-Dioxane, dms., c.l., works lb. .28¾ -
l.c.l., same basis lb. .29¼ -
tanks, same basis lb. .27 • —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works. lb. .35 • —
Dipentene, dest-dist., dms., c.l., works gal. .47 • —
l.c.l., works gal. .52 • —
ex-whse gal. .62 • —
steam-dist., dms., c.l., works, South gal. .59 • —
dlvd. N. Y. gal. .67 • —
tanks, works, South gal. .45 • —
lots lb. .50 • —
Diphenyl, bbls., c.l., works lb. .15 • —
l.c.l., works lb. .16 • —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns lb. .54 - .61
Phthalate, dms., c.l., works lb. .51¾ - —
l.c.l., works lb. .53¾ - —
Diphenylguanidine, bgs., dms., ton lots, frt. alld lb. .50 • —
smaller lots, frt. alld lb. .51 • —
Diphenylhydantoin-sodium USP, dms lb. 5.30 - 5.60
Dipropylene glycol, dms. c.l., frt. alld lb. .17¼ - —
l.c.l., same basis lb. .18¼ - —
tanks, same basis lb. .15¼ - —
Monomethyl ether dms. c.l., dlvd. E lb. .20 - —
l.c.l. same basis lb. .21 - —
tanks, same basis lb. .18½ - —
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock ton 70.00 - 72.00
Divinylbenzene, 20-25% dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, dms., c.l., works, 100% basis lb 1.00 - —
l.c.l., works, 100% basis lb. 1.05 • —
Dodecylbenzene, dms., c.l., frt. equald lb. .14 • —
l.c.l., same basis lb. .15 • —
tanks, same basis lb. .12 • —
Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:—
Blue, FD & C, No. 1 lb.15.65 -17.60
No. 2 lb.15.65 -17.60
Green, FD & C, No. 1 lb.15.65 -17.60
No. 2 lb.19.60 -22.85
No. 3 lb.21.30 -35.90
Red, FD & C, No. 1, cns lb. 5.90 - 7.85
No. 2 lb. 3.30 - 4.10
No. 3 lb.19.60 -22.85
No. 4 lb. 5.55 - 7.50
Violet, FD & C, No. 1, cns lb.15.65 -17.60
Yellow, FD & C, No. 1, cns lb. 9.15 -11.05
No. 5 lb. 3.30 - 4.10
No. 6 lb. 3.30 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—
Black, D&C, No. 1 lb.10.50 -10.95
Brown, D&C, No. 1 lb.15.65 -16.10
Green, D&C, No. 5 lb.15.65 -16.10
No. 6 lb.15.65 -16.10
No. 7 lb.14.35 -14.80
Orange, D&C, No. 3 lb.10.50 -10.95
No. 4 lb.19.60 -20.05
No. 5 lb. 5.25 - 5.70
No. 17 lb.10.50 -10.95
No. 18 lb.23.55 -24.00
No. 19 lb.15.00 -15.45
No. 21 lb. 3.10 - 3.60
No. 22 lb.10.50 -10.95
No. 28 lb.24.20 -24.65
No. 33 lb.17.00 -17.45
Violet, D&C, No. 2 lb.15.65 -16.10
Yellow D&C, No. 7 lb.10.50 -10.95
No. 8 lb.10.50 -10.95
No. 10 lb.13.05 -13.50
No. 11 lb.13.05 -13.50
Dyes, coaltar, certified, colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots dlvd:—
Blue, Ext., D&C, No. 1, cns lb.15.65 -16.10
Green, Ext., D&C, No. 1, cns lb.15.65 -16.10
Red, Ext., D&C, No. 1, cns lb.13.05 -13.50
Yellow, Ext., D&C, No. 1, cns lb.10.50 -10.95
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.
20 Chrysoidine Y, dustless lb. .89 • —
27 Fast light, orange 2G lb. 1.09 • —
31 Phloxine 2G lb. .89 • —
36 Yellow 2G lb. 1.00 • —
40 Orange R extra, conc lb. 1.29 • —
57 Fuchsine 6B lb. 1.31 • —
79 Scarlet 2R lb. .98 • —
151 Orange AD lb. .67 • —
161 Orange RR lb. .80 • —
176 Fast red A lb. 1.18 • —
179 Rubine XX, conc lb. 1.25 • —
180 Blue F4B lb. 1.11 • —
185 Brilliant scarlet 3RU, conc. lb. 1.03 • —
202 Chrome blue black R, conc. lb. .91 • —
203 Chrome black T lb. .94 • —
208 Fast blue SR lb. 1.10 • —
216 Chrome red B lb. .92 • —
234 Brown Y lb. 1.08 • —
246 Blue black, extra, conc lb. 1.16 • —
275 Milling red 2R, conc lb. 1.02 • —
289 Navy blue 3R, conc lb. 1.44 • —
299 Black F, conc lb. 1.86 • —
304 Neutral black 2B, conc. lb. 2.43 • —
326 Fast scarlet 4BNC lb. 1.80 • —
332 Bismark brown RX, conc., dustless lb. 1.16 • —
365 Brilliant yellow, conc lb. 3.11 • —
382 Scarlet B lb. 2.20 • —
401 Diazo black BHD lb. .79 • —
406 Blue 2B, extra conc lb. 1.30 • —
419 Red FC lb. 1.23 • —
420 Brown M lb. 1.19 • —
448 Red 4BX, conc lb. 1.43 • —
518 Diamine sky blue FF, extra, conc lb. 1.65 • —
561 Brown B lb. 2.45 • —
581 Black EB, 200% lb. 1.13 • —
593 Green BY, conc lb. .87 • —
596 Yellow Brown K, extra lb. 1.03 • —
620 Yellow 2G lb. 1.11 • —
639 Fast Yellow GG lb. 1.97 • —
640 Yellow XX lb. 1.95 • —
655 Yellow OX lb. 2.24 • —
657 Green V lb. 2.31 • —
662 Brilliant green G lb. 3.07 • —
667 Milling green 6B, conc lb. 4.05 • —
671 Blue EG lb. 1.68 • —
681 Crystal violet powder lb. 2.15 • —
698 Violet 6BN Powder lb. 1.91 • —
720 Brilliant blue BBG lb. 2.07 • —
729 Blue B, conc lb. 3.06 • —
749 Red BX lb. 4.76 • —
814 Yellow NN, conc lb. 3.11 • —
841 Safranine GF, extra, conc. lb. 3.48 • —
865 Nigrosine J lb. .87 • —
922 Blue GXX lb. 1.88 • —
978 Black GXCF, conc lb. .92 • —
1034 Alizarine red SC lb. 2.85 • —
1054 Alizarine blue SAPX lb. 3.20 • —
1078 Alizarine green CG, extra. lb. 2.99 • —
1085 Alizarine blue black B lb. 2.56 • —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd.
1096 Golden orange GFD, single paste lb. 2.19 • —
1099 Dark blue BO, single paste. lb. 1.93 • —
1101 Jade green N, double paste. lb. 1.10 • —
1106 Blue RS, double paste lb. 3.26 • —
1217 Orange RD, double powder. lb. 3.94 • —
1113 Blue BLFD, double paste. lb. 2.48 • —
1150 Olive R, single paste lb. 1.21 • —
1151 Brown R, single paste lb. 1.94 • —
1171 Indigo synthetic, 20% paste. lb. .31 • —
p-4 Brown PG lb. 2.54 • —
p-14 Brown EB lb. 1.83 • —
p-24 Gray L lb. 1.76 • —
p-80 Diazo brilliant scarlet ROAD lb. 3.07 • —
p-202 Diazo black VJ, conc lb. 2.10 • —
p-244 Brilliant scarlet BN lb. 1.44 • —
p-313 Naphthol SWF lb. 2.03 • —
Dyes, coaltar, oil soluble, 100 lb. dms., dlvd.
860 Induline base ZM lb. 1.07 • —
Z2R lb. 1.07 • —
Oil black ZBC lb. 4.46 • —
ZBD lb. 3.03 • —
ZHH lb. 4.61 • —
ZMM lb. 6.52 • —
Oil, blue ZN lb. 8.02 • —
ZV lb. 4.95 • —
1078 Alizarine Cyanine Green base Z lb. 6.13 • —
Oil, orange ZMG lb. 1.32 • —
Oil, red Z-1700 lb. 1.49 • —
Oil, Scarlet ZLB lb. 1.44 • —
1080 Oil, violet Z lb. 6.81 • —
1073 Oil, violet ZIRS lb. 6.13 • —
Oil, Yellow ZG lb. 6.33 • —
800 Chinoline yellow ZSS lb. 2.67 • —
Dyes, coaltar, spirit soluble, 100 lb. dms., dlvd.
Black ZRB lb. 2.95 • —
Brown ZG lb. 5.30 • —
Orange ZR lb. 5.87 • —
Red ZB lb. 6.41 • —
Yellow ZR lb. 4.62 • —

E

Echinacea root, bls lb 1.10 • —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls lb. 1.08 - 1.10
tanners bbls lb .06 06½
Elm bark, grinding, bls lb. .30 .32
powd., bbls., bxs lb. .45 —
select, bundles lb. .75 —
Emetine hydrochloride, USP, bots oz.42.50 -44.00
Endrin, tech., dms., dlvd., 100% basis lb. 3.75 • —
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 1.00
hydrous bots., 100-oz. lots oz. .92 —
Hydrochloride, tins, 100-oz. lots. oz. .75 • —
Sulfate, cryst., tins, 100-oz. lots. oz. .72 • —
powd., tins, 100-oz lots oz. .73 • —
Epichlorohydrin, dms., c.l., dlvd lb. .35 • —
l.c.l., dlvd lb. .36 • —
tanks, dlvd lb. .33 • —
Epinephrine, syn., USP bots., 100-gram lots gram .45 .55
Epsom salt (see Magnesium sulfate).
Ergosterol, unirradiated, cryst kilo.150.00 • —
Ergot, NF, dms., tin-lined lb. 2.00 • —
Eserine salicylate, bots oz.84.00 • —
Sulfate, bots oz.84.00 • —
Ether (see specific product)
Ethyl acetate, nat., ferment., 85-88%, dms., c.l., frt. alld lb. .13 • —
l.c.l., frt. alld lb. .14 • —
tanks, frt. alld lb. .11 • —
95-98%, dms., c.l., frt. alld. lb. .13¼ - —
l.c.l., frt. alld lb. .14¼ - —
tanks, frt. alld lb. .11¼ - —
99%, dms., c.l., frt. alld lb. .13½ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .11½ - —
syn., 85-88%, dms., c.l., dlvd lb. .13 • —
l.c.l., dlvd lb. .14 • —
tanks, dlvd lb. .11 • —
95-98%, dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd. lb. .14¼ - —
tanks, dlvd. lb. .11¼ - —
99%, dms., c.l., dlvd lb. .13½ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd. lb. .11½ - —
Acetoacetate, dms., c.l., dlvd lb. .58 • —
l.c.l. dlvd lb. .59 • —
tanks, dlvd lb. .56 • —
Acrylate, dms., c.l., t.l., dlvd. lb. .36 • —
t.l., dlvd lb. .37 • —
tanks, dlvd lb. .34 • —
Aminobenzoate, USP (see Benzocaine).
Bromide, tech., 98%, dms., c.l., frt. alld. E lb. .41 • .43
l.c.l., frt. alld. E lb. .43 • .45
Butyrate, works lb .50 - 1.02
Carbamate (see Urethane).
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. 70 —
smaller lots, works lb. 72 - 80
vis., 10, 20, 50, 100, 150 cps., bgs., 2,000-lb. lots or more, works lb. .65 - 70
smaller lots, works lb. .67 - 81
Chloride, tech., cyl., works .20 - .22
dms., works lb. .18 - .20
tanks, works lb. .10 —
Butyl ketone, dms., c.l., works lb. .35½ -
l.c.l., works lb. .36 -
tanks works lb .34 -
Cinnamate, cns lb. 2.71 3.45
Ether, absolute, ACS, dms lb. .27 • —
anesthesia, USP, hospitals, 1-lb. cns lb. 1.01 • —
½-lb. cns lb. 1.11 • —
¼-lb. cns lb. 1.21 • —
indust., c.l., dlvd lb. .12 • —
l.c.l., dlvd. E. lb. .13 • —
tanks, dlvd. E. lb. .10 • —
Gallate, dms., 100 to 2,000-lb. lots. lb 3.90 - 4.40
Iodide, cbys., works lb. 3.30 • —
Methylcrylate, dms., c.l. and less than truckload, works, frt. equald lb. .51½ - .52
Morphine hydrochloride, USP, bots oz.11.85 • —
Nitrite (see Nitrous ether).
Oenanthate, dms. lb 1.00 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethyl orthosilicate).
40% available SiO_2, dms., c.l., dlvd lb. .49 • —
l.c.l., dlvd lb. .50 • —
tanks, dlvd lb. .47 • —
Ethylethanolamines, mixed, dms., c.l., dlvd. E lb. .42½ - —
l.c.l., dlvd. E lb. .43½ - —
tanks, dlvd. E lb. .40½ - —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 • —
N-Ethyl-o-toluidine, bbls lb. .68 • —
Ethylamine (see Mono, Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld, lb. .51 • —
l.c.l., frt. alld lb. .52 • —
tanks, frt. alld lb. .50 • —
Ethylbenzene, 99%, dms., c.l. lb. .19½ - .20¼
l.c.l. lb. .20½ - .21¼
tanks lb. .18½ - —
Ethylene dichloride, dms., c.l., dlvd. lb. .10¼ - —
l.c.l., same basis lb. .12¼ - —
tanks, same basis lb. .09 • —
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.
Glycol, indust., dms., c.l., dlvd. E. lb. .15½ - —
l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .13½ - —
Monobutyl ether, dms., c.l., dlvd. E lb. .21½ - —
l.c.l., dlvd. E lb. .22½ - —
tanks, dlvd. E lb. .19½ - —
Monoethyl ether, dms., c.l., dlvd. E lb. .20½ - —
l.c.l., dlvd. E lb. .21½ - —
tanks, dlvd. E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .18½ - —
l.c.l., dlvd. E lb. .19½ - —
tanks, dlvd. E lb. .16½ - —
Monomethyl ether, dms., c.l., dlvd. E lb. .20½ - —
l.c.l., dlvd. E lb. .21½ - —
tanks, dlvd. E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .28¾ - —
l.c.l., dlvd. E lb. .29¼ - —
tanks, dlvd. E lb. .27 • —
Monostearate, triple pressed, dms lb. .34 • —
Oxide, dms., c.l., dlvd. E lb. .21½ - —
l.c.l. dlvd. E lb. .24½ - —
tanks, dlvd. E lb. .15½ - —
Trichloride (see Trichloroethane).
Ethylenediamine, 85-88%, dms., c.l., dlvd. E., 100% basis lb. .46 • —
l.c.l. dlvd. E., 100% basis lb. .47 • —
tanks, dlvd. E., 100% basis lb. .44 • —
Ethylvanillin, cns., 25-lb. lots lb 6.75 - 7.30
smaller lots lb 7.35 7.40
Eucalyptol, USP, cns., dms lb 1.40 - 1.50
Eugenol, USP, bots. lb. 2.20 - 3.25
Euphorbia herb, bls lb. .15 - .17

F

Feldspar, 140-200 mesh bulk, c.l., works ton.16.50 • —
Feldspar in bags $3 per ton higher.
Fennel seed, Argentine, bgs lb. .17 - .17½
Czech, medium, bgs lb. .10½ - .11
Indian, light, bgs lb. .11 - .11½
Roumanian, bgs lb. .09½ - —
Fenugreek seed, Indian, bgs lb. .08½ - .09
Moroccan, bgs. lb .08½ - .09
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 —
l.c.l., works lb. .09¾ —
soln., USP IX, cbys lb. .16 —
djns lb .17 —
Ferric cacodylate, NF, bots lb.13.00 -14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs. 7.00 • —
l.c.l., works 100 lbs. 7.85 • —
Indust., cryst., bbls., c.l., works, 100 lbs. 5.25 - 6.75
l.c.l., works 100 lbs. 5.75 - 7.25
42° Be, photo grade, cbys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald, 100% basis, 100 lbs. 3.50 • —
USP cryst., dms., works lb .07½ - .09
Citrate, gran., dms. lb. .86 • —
Hydrophosphite, NF, dms lb 3.45 • —
Naphthenate, liq., 6% Fe., dms., frt. alld lb. .25¾ - —
Oxalate, gran., dms. lb. .85 - .87
Phosphate, NF, soluble, gran., pearls, cs lb. .64 - .65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 • .81
Resinate, 6¾% Fe, dms., frt. alld lb. .29½ - —
Stearate, dms., c.l., frt. alld lb. .37 • —
t.l., frt. alld lb. .38 • .42
Sulfate, partially hydrated, bgs., c.l., works ton.31.75 -32.75
l.c.l., works ton 34.75 -40.75
lb. .37 • —
Ferric-ammonium citrate, brown, NF, gran., dms lb. .60 • .63
green, USP XII, gran., dms lb. .60 • .63
Oxalate, fine gran., dms lb. .25½ - .28½
Ferric-potassium oxalate, fine gran., dms lb. .30½ - .33½
Ferric-sodium oxalate, fine gran., dms lb. .25½ - .28½
Ferrous gluconate, NF, dms lb. .94 • —
Sulfate, gran. bgs., c.l., works. ton 34.50 • —
l.c.l., dlvd. Metropolitan area 100 lbs 3.35 4.25
bbls, c.l., works ton 10.00 • —
bulk c.l., works ton 27.00 • —
USP cryst. bbls dms lb .09½ - .10
Fir, balsam, Canada, cns gal.32.00 • —
Oregon, bbls. gal. 4.00 • —
Fishliver oil (see Oil fishliver).
Fishmeal, dom., menhaden, 60% protein grd., bgs., Chesapeake Bay area ton.153.00 Nom.
Fishscrap, menhaden, dried, 60% protein, bgs., Chesapeake Bay area ton.148.00 Nom.
Fleaseed (see Psyllium seed)
Formaldehyde, NF, 37%, (inhibited), methanol, Zone 1, dms., c.l., dlvd lb. .0675 —
l.c.l., works lb. .072 - .0725
tanks, dlvd lb. .04 • —
Zone 2, 12-15%, methanol, dms., c.l., dlvd lb. .071 • —
tanks, dlvd lb. .043 • —
Methanol-free (uninhibited), Zone 1, tanks, dlvd lb. .0375 —
Zone 2, tanks, dlvd lb. .04 • —
Fringetree bark, bls lb .60 - .61
Fullers' earth, bgs., c.l., Ill. mines, ton.19.00 • —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines ton.17.50 • —
calcined, bgs., c.l., same basis ton.20.00 -21.75
oil-bleaching, grade, 100-mesh, bgs., c.l., same basis ton.16.50 -17.00
200-mesh, bgs., c.l., same basis ton.17.50 -18.00
spent, bgs., c.l., ship point ton. 4.50 - 5.00
Furan, dms., c.l. or t.l., works lb. .34½ - —
l.c.l., t.t.l., works lb. .35 • —
tanks, works lb .33 • —
Furfural, dms., c.l., works lb. .13 • —
l.c.l., works lb. .14 • —
tanks, dlvd. E lb. .12 • —
dlvd. W lb. .13 • —
Fusel oil, refd., dms., c.l., dlvd lb. .22 • —
l.c.l., dlvd. lb. .23 • —
tanks, dlvd. lb. .20 • —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½ - —
No. 2, bbls., l.c.l. lb. .45½ - —
No. 3, bbls., l.c.l. lb. .43½ - —
liq., No. 1, bbls., l.c.l. lb. .22½ - —
No. 2, bbls., l.c.l. lb. 21½ - —
No. 3, bbls., l.c.l. lb. .19 • —
solid, No. 1, bxs., l.c.l. lb. .45 • —

G

G salt, bbls., frt. alld, 100% basis lb. .73 • —
Gammapicoline (see g-Picoline).
Gelatin, edible, pure (pork skin), 75 Bloom test, bbl., c.l. lb. .53 • —
150 Bloom test, bbl., c.l. lb. .64 • —
200 Bloom test, bbl., c.l. lb. .71 • —
225 Bloom test, bbl., c.l. lb. .74 • —
275 Bloom test, bbl., c.l. lb. .81 • —
Gelsemium root, bls lb. .23 • .24
Gentian root, bls lb. .17 • .20
grd., bbls., bxs lb. .22 • .23
powd. bbls., bxs lb. .23 • .24
Geraniol, extra, cns., dms lb. 4.35 - 4.80
standard, cns., dms. lb. 4.20 • —
Geranyl acetate, cns lb. 4.50 - 4.80
Ginger oleoresin, NF, from African root, bots. lb. 4.00 - 7.75
from Jamaican root, bots. lb. 6.00 -10.25
Root, African, bls. lb. .37 • —
Cochin, bgs lb. .36 • .40
Jamaican, No. 2, bgs lb. .59 • —
No. 3, bgs lb. .58 • —
Nigerian, split, bgs lb. .35 • —
Glauber's salt, anhyd (see Sodium sulfate).
Glue, bone, extracted, 86 jellygrams, bgs., c.l., dlvd lb. .15 • —
104 jellygrams, same basis lb. .17 • —
131 jellygrams, same basis lb. .18 • —
164 jellygrams, same basis lb. .20½ - —
191 jellygrams, same basis lb. .21 • —
222 jellygrams, same basis lb. .22 • —
packers 40 jellygrams, bgs., c.l., dlvd lb. .14 • —
65 jellygrams, same basis lb. .14½ - —
86 jellygrams, same basis lb. .15 • —
115 jellygrams, same basis lb. .15½ - —
135 jellygrams, same basis lb. .18½ - —
164 jellygrams, same basis lb. .19½ - —
renderers' 115 jellygrams, bgs., c.l., dlvd lb. .15 • —
Bone glue, l.c.l., prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .15 • —
95-121, bgs., c.l., dlvd lb. .16 • —
122-149, bgs., c.l., dlvd lb. .18½ - —
150-177, bgs., c.l., dlvd lb. .21 • —
178-206, bgs., c.l., dlvd lb. .23½ - —
178-206 bgs., c.l., dlvd lb. .23½ - —
207-236, bgs., c.l., dlvd lb. .26 • —
237-266, bgs., c.l., dlvd lb. .28 • —
267-298, bgs., c.l., dlvd lb. .30 • —
299-330, bgs., c.l., dlvd lb. .32 • —
331-362, bgs., c.l., dlvd lb. .34 • —
363-394, bgs., c.l., dlvd lb. .36 • —
395-427, bgs., c.l., dlvd lb. .38 • —
428-460, bgs., c.l., dlvd lb. .39 • —
461-494, bgs., c.l., dlvd lb. .40 • —
495-529, bgs., c.l., dlvd lb. .41 • —
Hide glue l.c.l. prices 1c. higher.
Glycerine, nat., crude, saponification, 88%, to refineries, tanks, lb. .21 • —
soaplye, 80%, tanks lb. .19 • —
refd., BP, 98%, dms., c.l., dlvd. lb. .31½ - —
l.c.l., dlvd lb. .32 • —
tanks, dlvd lb. .30 • —
dynamite, dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd lb. .32 • —
tanks, dlvd lb. .30 • —
high gravity, dms., c.l., dlvd. lb. .31½ - —
l.c.l., dlvd lb. .32 • —
tanks, dlvd lb. .30 • —
USP CP, 95% dms., c.l., dlvd. lb. .30½ - —
l.c.l., dlvd lb. .31 • —
tanks, dlvd lb. .29 • —
yellow, dist., dms., c.l., dlvd. lb. .31 • —
l.c.l., dlvd lb. .31½ - —
syn., dms., c.l., dlvd lb. .31½ - —
l.c.l., dlvd lb. .32 • —
tanks, dlvd lb. .30 • —
Glycine (see Acid aminoacetic).
Glycerol (see Gylcerine).
Glyoxal, 30%, dms., c.l., works lb. .18½ - —
l.c.l., works lb. .19 • —
tanks, works lb. .18 • —
Golden seal root, NF, tested, bls. lb. 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 - .09¼
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21¼
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24¼
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31¼
Grake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, white, choice, all hog, tanks, dlvd lb. .08½ Nom.
not all hog, tanks, dlvd lb. .08¼ - .08⅜
yellow, tanks, dlvd lb. .07½ - .07¾
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 5.10 • —
tungstated, PTMA, kgs., works. lb. 6.20 • —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .40 • —
16-30%, bbls., same basis lb. .40 • —
31-45%, bbls., same basis, lb, .41 • —
45-49%, bbls., same basis lb. .44 • —
reduced color, 25%, bbls., same basis lb. .19 • —
Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:— Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Chromium oxide, hydrated, dms., bbls., c.l., frt. alld lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .39¾ - —
l.c.l., same basis lb. .40¼ - —
Dyes (see Dyes, coaltar).
Malachite, straight, PTMA, bbls., works lb. 4.60 • —
Paris (see Paris green)
Phthalocyanine toner, bbls., works. lb. 3.95 • —
resinated, bbls lb. 3.50 • —
water dispersable, bbls lb. 1.71 • —
Pigment B kegs lb. 1.35 • —
paste, kegs lb. .38 • —
Grindelia robusta herb, bls lb. .38 - .40
Guaiacol, NF, cryst., dms., tins lb 2.10 - 2.15
liq., cbys., dms lb 2.30 - 2.40
Carbonate, NF VII, dms lb. 3.40 - 3.45

Gum, aloe (see Aloe).
Arabic, amber, sorts, bgs..lb. .22 - .23
powd., USP, bbls..lb. .27 - .28
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs..lb. .38 - .42
Camphor (see C).
Cellulose, high vis., bgs., 23,000-lb. lots or more, works, frt. alld..lb. .55 - —
smaller lots, same basis..lb. .57 - —
Copal, Congo, No. 1, bgs..lb. .23 - —
No. 2, bgs..lb. .18½- .20
No. 3, bgs..lb. .16½- .18
Manila, C, bgs..lb. .41 - .43
CBB, bgs..lb. .37 Nom.
DBB, bgs..lb. .31 - .33
DK, bgs..lb. No Stocks
dust, bgs..lb. .14 - .16
MA, soft, bgs..lb. .23 - .25
WS, bgs..lb. .34 - .36
Philippine pale, chips, bgs..lb. .24 - .26
nubs, bgs..lb. .34 - .36
seeds, bgs..lb. .20 - .22
sorts, bgs..lb. .22 - —
Pontianak, chips, bgs..lb. .28 - —
nubs, bgs..lb. .39 - .40
Dammar, Batavia, A/E cs..lb. .27 - .29
dust, bgs..lb. .16½- .17½
E, bgs..lb. .20 - .22
East India, batu, bold, bgs..lb. .14 - .15½
nubs and chips, bgs..lb. .08 - .09
black, bold, bgs..lb. .14 - .16
unscraped, bgs..lb. .11 - .13
nubs and chips, bgs..lb. .11 - .13
pale, chips, bgs..lb. .14½- .15½
nubs, bgs..lb. .18 - .19
Siam, cs..lb. .39 - —
Singapore, No. 1, bgs..lb. .47 - .49
No. 2, bbls..lb. .29 - .30
No. 3, bbls..lb. No stocks.
dust, bgs..lb. .16½- .17
seeds, bgs..lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .14½- .16
wood-rosin type, dms., c.l., same basis..lb. .15 - .16
Guar, food grade, bgs., c.l..lb. .40 - —
tech. grade, bgs., c.l..lb. .32 - —
Karaya, No. 1, NF, powd., bbls..lb. .55 - —
No. 2, powd., bbls..lb. .45 - —
No. 3, powd., bbls..lb. .40 - —
Locust bean, powd., bgs..lb. .28 - .30
Myrrh, cs..lb. .38 - .40
Opium (see Opium).
Olibanum siftings, cs..lb. .15 - .20
tears, cs..lb 22 30
Rosin (see Naval Stores, Protective Coatings Market).
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs..lb. 3.00 - 3.50
No. 2, cs..lb. 2.55 - 2.60
No. 3, cs..lb. 1.75 - 1.80
powd., USP, bbls..lb. 1.25 - 1.35
Gypsum, plaster of paris, 100-lb. paper, bgs., trucks, dlvd. N. Y. C..ton.20.30 - —
terra alba., dom., paper bgs., same basis..ton.19.00 - —
works, N. Y. C..ton.16.00 - —
imp. English, 100-lb. paper bags, ex dock, N. Y. C..ton 55.00 - —
ex warehouse..ton.60.00 -62.00

H

Hawthorn berries, bgs..lb. .24 - .28
Heliotropin, cryst., cns..lb. 4.05 - 4.50
Hellebore root, dom., green, bls..lb. .70 - .75
Helonias root, bls..lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l..lb. .47 - —
No. 2, bbls., l.c.l..lb. .43 - —
No. 3, bbls., l.c.l..lb. .41 - —
No. 4, bbls., l.c.l..lb. .39 - —
No. 5, bbls., l.c.l..lb. .37 - —
paste, No. 1, bbls., l.c.l..lb. .20½- —
Henbane leaves, bls..lb. .35 - .40
Heptane, indust., tanks, Bayonne, N. J..gal. .19 - —
Baytown, Tex..gal. .14¾- —
Borger, Tex..gal. .14¾- —
Hesperidin methylphalcone, bots., works..lb.50.00 - —
Hexachlorophene, dms..lb. 1.98 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or N.Y.C..lb. .222 - —
1,000-19,999-lb. lots, same basis..lb. .232 - —
smaller lots, same basis..lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis..lb. .239 - —
smaller lots, same basis..lb. .249 - —
USP, dms., 500-lb. lots or more, same basis..lb. .40½- —
smaller lots, same basis..lb. .41½- —
Hexane, indust., tanks, Bayonne, N. J..gal. .19 - —
Baytown, Tex..gal. .15½- —
Borger, Tex..gal. .15½- —
1-Hexanol, dms., c.l., works..lb. .34½- —
t.c.l., works..lb. .35 - —
tanks, works..lb. .33 - —
Hexyl cinnamic aldehyde, dms..lb. 4.00 - 7.50
Salicylate, dms..lb. 1.75 - —
Hexylene glycol, dms., c.l., dlvd..lb. .16 - —
l.c.l., dlvd..lb. .17 - —
tanks, dlvd..lb. .14 - —
n-Hexyl methacrylate, dms., less than truckload, works..lb. .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd..lb.14.00 - —
smaller lots, dlvd..lb.44.50 - —
Histamine diphosphate, USP, bots..kilo.400.00 - —
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works..kilo.80.00 -85.00
1-5 kilo lots, works..kilo.90.00 -95.00
Homatropine hydrobromide, USP, bots..oz. 8.50 - —
Methylbromide, USP, bots..oz. 5.65 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 6.25 - —
Horehound herb, bls..lb. .16 - .19
Hydrastine, bots..oz.29.50 -31.00
Hydrochloride, NF, bots..oz.29.50 -31.00
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Lake Charles, La..lb. 3.00 - 3.30
85%, ret. dms., same basis..lb. 1.35 - 1.55
Hydrate, 100%, ret. dms., Lake Charles, La..lb. 1.60 - 1.90
Hydrocortisone acetate, bulk, bots., dms..gram. 4.75 - 5.00
Alcohol, bulk, bots., dms..gram. 4.75 - 5.00
Hydrofuramide, dms., fib. ctns., works..lb. .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works..lb. .45 - —
l.c.l., works..lb. .55 - .60
Fluoride anhyd., cyls., dlvd. E..lb. .30½- .32½
dlvd. W..lb. .39 - —
tanks, works..lb. .21 - —
Peroxide, USP, bbls., dlvd..lb. .03¾- .05
35%, dms., c.l., dlvd..lb. .202 - —
l.c.l., dlvd..lb. .211 - —
tanks, dlvd..lb. .1800- —

Hydroquinone, photo grade, bbls., dms..lb. .98 - 1.00
tech., dms., c.l., dlvd..lb. .77½- —
l.c.l., same basis..lb. .79½- —
Hydroxycitronellal, cns..lb. 7.65 - 7.90
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots..oz.15.75 -16.00
Hydrobromide, bots..oz.11.00 -12.00
Sulfate, bots..oz.10.50 -11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l..lb. .52 - —
liq., No. 1, bbls., l.c.l..lb. .35 - —
No. 2, bbls., l.c.l..lb. .27 - —

I

Ichthammol, NF, dms..lb. .60 - .75
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indole, CP, bots..lb.17.00 -21.00
Inositol, bots., dlvd..lb. 5.00 - —
cms., dlvd..lb. 4.50 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs..lb. 1.45 - —
resub, USP, dms., jars..lb. 2.30 - 2.32
Iodochlorohydroxyquinolin, USP, dms..lb. 5.90 - —
Iodoform, NF, dms., kgs..lb 4.90 5.00
a-Ionone, cns..lb. 5.30 - 5.60
b-Ionone, cs..lb. 6.00 - 7.70
Methyl (see under M).
Ipecac root, bgs..lb. 8.00 - —
powd., bbls., bxs..lb. 9.00 - —
Irish moss, bleached, prime, bls..lb. .28 - .34
Iron compounds (see Ferric or Ferrous).
Isoborneol, cns..lb. 1.25 - 1.70
Isobornyl acetate, cns..lb. .62 - .95
Formate, dms..lb. .80 - —
Propionate, dms..lb. 1.15 - 1.45
Isobutyl acetate, perfume grade, cns..lb. .75 - 1.00
solvent grade, dms., c.l., dlvd. E. of Rockies..lb. .13¼- —
l.c.l., same basis..lb. .14¼- —
tanks, same basis..lb. .11¼- —
Isobutyraldehyde, CP, dms., c.l., dlvd..lb. .27½- —
l.c.l., dlvd..lb. .28½- —
tech., dms., c.l., dlvd..lb. .21½- —
l.c.l., dlvd..lb. .22½- —
tanks, dlvd..lb. .19½- —
Isoeugenol, cns..lb. 4.40 - 4.75
Isoniazid, powd., bulk, 25-kilo lots or more..kilo 23.00 -25.50
smaller lots..kilo.24.00 -26.00
Isopentane, coml. grade, tanks, f.o.b. Tex. refy..gal. .15½- —
Isonicotinic acid hydrazide (see Isoniazid).
Isophorone, dms., c.l., works..lb. .24¼- —
l.c.l., works..lb. .24¾- —
tanks, works..lb. .22½- —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., dlvd..lb. .12 - —
l.c.l., same basis..lb. .13 - —
tanks, same basis..lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether, dms., c.l., dlvd..lb. .07 - —
l.c.l., dlvd..lb. .08 - —
tanks, dlvd..lb. .05 - —
Isopropyl-N-(3-chlorophenyl) carbamate, (CIPC), 70% in xylol, dms., c.l., t.l., works..lb. .70 - —
l.c.l., works..lb. .714 - .814
Isopropyl-N-phenyl carbamate, 450-lb. fib dms., c.l., t.l., works..lb. .75 - —
l.c.l., works..lb. .80 - .90
Isopropylamine (see Mono, Di, or Tri-).
Isoquinoline, dms., works..lb. .65 - 1.25

J

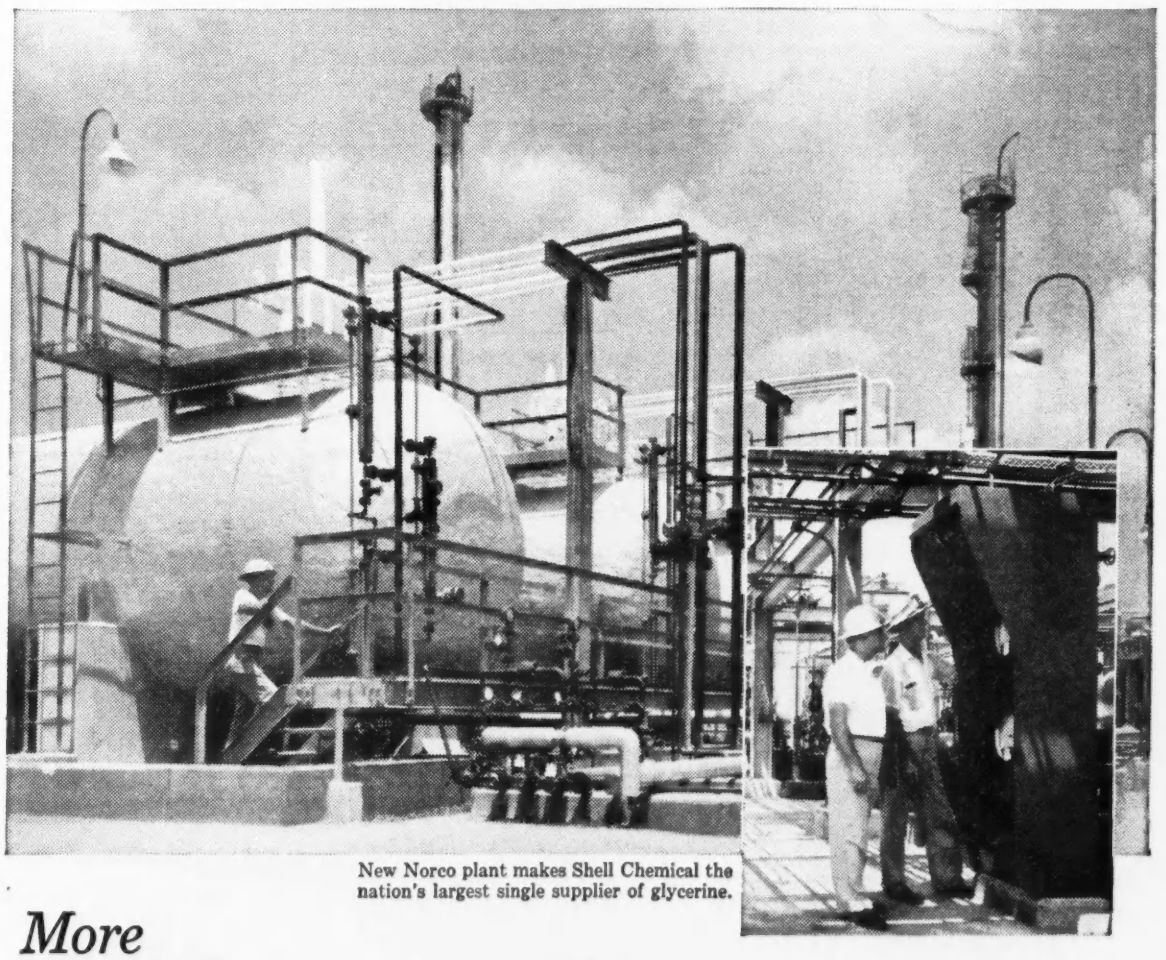
Jalap root, NF, bls..lb. .45 - .55
powd., bbls., bxs..lb. .55 - .65
Juniper berries, bgs..lb. 18 - .20
Tar, NF, dms..lb. .42 - .60

K

Kaolin (see also Clay China), NF, powd., fib. dms..lb. .10 - .12
colloidal, fib. dms..lb. .15½- .17½
Kola nuts, bgs..lb. .15 - —

L

Lactose, crude, bgs., c.l., works..lb. .15 - .15½
edible, fib. dms., 30,000-lb. lots, works..lb. .22 - —
2,000-lb. lots, works..lb. .22¾- —
200-1,800-lb. lots, works..lb. .23¼- —
Edible lactose in bgs. 1c. lower.
fermentation grade, bgs., c.l., works..lb. .08½- —



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Lactose, USP, fib. dms., 30,000-lb. lots, works lb. .24 - —
2,000-lb. lots, works lb. .24¼- —
200-1,800-lb. lots, works lb. .25¼- —
USP lactose in bgs. 1c. lower.
Lady's slipper root, bls lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .28 - .30
USP, anhyd., dms., works lb. .26 - .28
hydrous, dms., works lb .25 - .27
Lard, cash, dms., Chicago lb. .1105- —
Larkspur seed, bgs lb. .20 - .23
Laurel leaves, Greek, bls lb. .12 - —
Portuguese, bls. lb. .11 - —
Turkey, bls lb. .25 - —
Yugoslavia, bls. lb. .11 - —
n-Lauryl methacrylate, dms., c.l. or t.l., works lb. .65½- —
Lavender flowers, medium, bls lb. .75 - .80
ord., bls lb. .25 - .40
select., bls lb. .90 - —
Lead acetate, white, cryst., bbls lb. .22 - —
gran., bbls lb. .23 - —
powd., bbls lb. .23 - —
NF, cryst., gran., powd lb. .31 - .32
Arsenate, acid powder, dealers, 3-lb. bgs. or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½- —
l.c.l., frt. alld lb. .28½- —
1-lb. bgs., c.l. lb. .41½- —
l.c.l. lb. .42½- —
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld. lb. .16¼- —
l.c.l., same basis lb. .17¼- —
Carbonate (see Lead, white, basic Carbonate).
Lead chloride, dms lb. .45 - —
Iodide, NF, V jars lb. 3.82 - —
Linoleate fused, 26%% Pb, dms. lb. .33 - —
Metal pigs, prime, N. Y. lb. .15½- —
St. Louis lb. .1530- —
Metallic paste, dms., 20,000-40,000-lb. lots, works lb. .33¾- —
10,000-20,000-lb. lots, same basis lb. .34¾- —
200-2,000-lb. lots, same basis, lb. .35¾- —
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs., c.l., works, frt. equald lb. .1620- —
l.c.l. same basis lb. .1670- —
Naphthenate, liq., 16% Pb, dms., dlvd lb. .17 - —
24% Pb., dms., dlvd lb. .21 - —
solid, 37% Pb., dms., dlvd lb. .27½- —
Nitrate, bbls. lb. .22¼- —
Orthosilicate-silica gel, 50-60% PbO dms., works lb. .29¾- .34¼
Peroxide, tech., powd., bbls lb. .38¾- .43¼
Phthalate, dibasic, dms., works lb. .41 - —
Red, 95% Pb_3O_4, or less, bbls., c.l., works, frt. alld lb. .18½- —
l.c.l., same basis lb. .19 - —
97% Pb_3O_4, bbls., c.l., same basis lb. .18¾- —
l.c.l., same basis lb. .19¼- —
98% Pb_3O_4, bbls., cl., same basis, lb. .19 - —
l.c.l., same basis lb. .19½- —
Resinate, precip., 23% Pb, dms., dlvd lb. .32½- —
Lead salicylate, normal, dms., works, lb. .46 - —
Silicate (see Lead, white, basic, silicate).
Sulfate (see Lead, blue, basic sulfate, Lead, white, basic sulfate).
Tallate, liq., 16% Pb, dms lb. .15 - —
24% Pb., dms lb. .18½- —
solid, 30% lb. .23¼- —
White, basic, carbonate, bgs., c.l., shipt. point, frt. alld lb. .17½- .18
l.c.l., same basis lb. .18½- .19
silicate, bgs., c.l., shipt. point, frt. alld lb. .16¼- .19
l.c.l., same basis lb. .17¼- .20
sulfate, bgs., c.l., shipt. point, frt. alld lb. .16¼- —
l.c.l., same basis lb. .17¼- —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works lb. .15 - .17
l.c.l., same basis lb. .15½- .17½
unbleached, non-ret. dms., c.l., same basis lb. .13 - .15
l.c.l., same basis lb. .14½- .16½
dl-Leucine dms., works lb. 12.25 -15.00
Licorice root, whole, bbls lb. .10 - .12
gran., bbls lb. .15 - .17
powd., bbls lb. .12 - .15
Lignosulfonate, 70% tannin, bgs., c.l., works lb. .06½- —
l.c.l., works lb. .06¾- —
Lime, chemical (quicklime), bulk, c.l., metropolitan, N. Y. destination, freight equalized with nearest producing point ton. 18.71 - —
Hydrated, bulk, c.l., same basis ton. 20.21 - —
Spray, bgs., c.l., same basis ton. 23.21 - —
Lime salts (see Calcium).
Lime-ammonium nitrate 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 6.00 - 7.50
ex lignaloe wood oil, dms lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms. lb. 6.00 - 6.30
96-98%, dms lb. 6.75 - 7.15
ex petitgrain, bots. lb. 5.95 - 6.70
Lindane, 25% formulation, dealers, dms., works lb. 1.58 - —
99% tech., dealers, dms., dlvd., lb. 3.10 - —
Linden flowers with leaves, bls lb. .30 - —
without leaves, bls lb. .35 - —
Linseed meal, expeller, 32-34% bulk, Midwest, mills ton. 61.25 Nom.
extracted, 36% bulk, same basis. ton. 56.00 -56.50
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis lb. .18 - —
Lithium benzoate, dms. lb. 1.65 - 1.67
Bromide, NF, dms., works, frt. equald lb. 2.30 - —
Carbonate, NF, dms., c.l., t.l., dlvd lb. 1.29½- —
ton lots to t.l., dlvd lb. 1.30 - —
tech., dms., c.l., t.l., dlvd., frt. alld., works lb. .82 - 1.10½
l.c.l., same basis lb. .85 - 1.11½
Chloride, CP, anhyd., ton lots lb. 1.28½- —
tech., anhyd., dms., c.l., t.l., dlvd., or works, frt. alld. lb. 1.00 - 1.05
l.c.l., same basis lb. 1.05 - 1.05½
Citrate, NF, dms lb. 1.60 - 1.64
Fluoride bbls., 10,000-lb. lots, dlvd lb. 2.17½- —
ton lots, dlvd lb. 2.18½- —
less ton lots, dlvd lb. 2.23½- —
Hydride, powd., dms., 500-lb. lots, works lb. 12.00 - —
Hydroxide, monohydrate, dms., c.l., t.l., dlvd. or works, frt. alld lb. .80 - .80½
l.c.l., same basis lb. .81 - .81½
Manganite, dms., works lb. .95 - 1.15
Nitrate, tech., dms., 100-lb. lots. lb. 1.25 - —
Salicylate, dms lb. 1.60 - 1.70
Silicate, dms., works lb. 1.10 - 1.30
Stearate, dms., c.l., works lb. .47½- —
ton lots, works lb. .48½- —
less-ton lots, works lb. .53½- —
Sulfate, dms., 100-lb. lots lb. 1.45 - —
Titanate, dms., works lb. 1.15 - 1.35
Lithopone ord., bgs., c.l., dlvd lb. .07½- —
l.c.l. dlvd lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Lobelia herb, bls lb. 1.50 - —
Lobeline sulfate, bots., works oz. 37.50 -39.00
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liq., No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½- —
solid, No. 1, boxes, c.l. lb. .35 - —
Lycopodium, cs lb. 2.00 - 2.25
dl-Lysine hydrochloride, bots. kilo. 140.00 -150.00

M

Mace, Siauw, siftings, bls. lb. 2.35 - 2.75
West Indian, No. 1, bls. shipment lb. No prices.
Magnesia, calcined, tech., bgs., ctns., works lb. .25¼- 26
syn. rubber grade, light, bgs., c.l., works lb. .29¼- —
l.c.l., works lb. .30 - —
extra light, works lb. .29¼- .30
USP, light, ctns lb. .35 - .36
heavy, bbls lb. .45 - .52
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt. equald ton 82.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah, Wash ton. 38.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .10½- —
l.c.l., frt. equald lb. .12 - .13
truckloads, frt. equald lb. .11 - —
USP, bgs., c.l., frt. equald lb. .12½- —
t.l., frt. equald lb. .13 - —
l.c.l. frt equald lb. .14 - .15
Above prices are quoted f.o.b. works, freight equalized with metropolitan New York and competitive producing points.
Chloride, anhyd., 92% flake or pebble, dms., c.l., works lb. .12¾- —
l.c.l. same basis lb. .14 - .15
hydrous, 99% flake, bgs., c.l., works ton. 50.00 - —
l.c.l., works ton. 55.00 -105.00
Gluconate, dms., cns lb. 1.34 - 1.41
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .26¼- .30
Metal, 99.8% ingots, 10,000 lb. lots or more, works lb. .32½- —
pigs, 10,000-lb. lots or more, works lb. .33¼- —
sticks, cs., works, frt. alld. on carlots lb. .49 - —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .10 - .11¼
Sulfate, tech., bgs., c.l., works 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Malathion, dms., c.l., works lb. .90 - —
l.c.l., works lb. .92 - 1.02
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
l.c.l., dlvd E lb. .28 - —
tanks, dlvd E lb. .26 - —
Prices on maleic anhydride W. of Rockies, 1½c. higher.
Mandrake root, bls lb. .55 - .60
Manganese acetate, bbls., dlvd lb. .35 - —
Arsenate, bgs lb. .16 - —
Borate, tech., fib. dms lb. .25 - —
Carbonate, bbls., works lb. .22 - —
Chloride, anhyd., dms., works lb. .25½- —
Dioxide, African 84-87%, 40,000 to 99,999-lb lots, burlap paper lined, bgs., gross for net, works ton. 97.00 - —
paper bgs., works ton. 93.50 - —
dms., works ton. 101.50 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots $3 per ton higher.
Gluconate, dms. lb. 1.80 - 1.94
Hydrate, bbls, dlvd lb. 36 - —
Hypophosphite, NF, dms lb. 3.52 - —

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Indicative of future planning in terms of meeting the world's needs for lithium is the company's new $7,000,000 chemical plant which went on stream this year.
3. ***RESEARCH AND PRODUCT DEVELOPMENT FACILITIES.***
A newly formed Department of Product Research and Development has been created to develop new uses and markets for lithium compounds.
4. ***EXCLUSIVE ATTENTION TO LITHIUM.***
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Manganese linoleate, liq., 4.35% Mn., dms. lb. .32½- —
solid, precip., 8.2% Mn, bbls. lb. .37½- —
Naphthenate, liq., 6% Mn., dms., frt. alld lb. .27 - —
Resinate, fused, 3½% Mn, dms. lb. .24 - —
precip., 6½-7% Mn, dms. lb. .28 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton.80.50 - —
l.c.l., dlvd. S. E. ton.87.50 - —
Tallate, 6%, dms. lb. .24 - —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton.71.00 - —
So. American 30% tannin, c.l., tannin, c.l., ex dock ton.55.00 -58.00
Mannitol, coml., fib. dms., c.l., works lb. .60 - —
single dm., works lb. .65 - —
ton-lots, works lb. .62 - —
MBT (see 2-Mercaptobenzothiazole).
MBTS (see Mercaptobenzothiazyl disulfide).
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb. lots, works lb. .33½- —
smaller lots, works lb. .38½- —
Menadione, USP, bots. gram. 044 - .05
Menthol, nat., USP, Brazilian, cs lb. 8.00 - 8.25
syn., USP, racemic, cns. lb. 4.95 - —
Menthyl salicylate, tins lb 4.00 4.25
2-Mercaptobenzothiazole, bgs., fib. dms., ton-lots, works, frt. alld lb. .40 - —
less ton lots, same basis lb. .42 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .50 - —
less ton lots, same basis lb. 52 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.98 - —
Mercuric chloride, NF, gran. or powd., dms., 50-lb. lots or more lb. 4.78 - —
Cyanide, NF VIII, powd., fib. dms. lb 6.84 - —
Iodide, red, NF, fib. dms lb. 7.72 - —
Oxide, red, NF, powd., fib. dms. lb. 5.90 - 6.01
yellow, tech. (see Yellow mercury oxide).
USP fib dms lb. 6.14 - —
Mercurous chloride (see Calomel).
Iodide, yellow, NF lb. 7.72 - —
Mercury, ammoniated (see White precipitate, USP).
Metal, 76 lb. per flask, net-flask 280.00 - —
Mesityl oxide, dms., c.l., dlvd lb. .1350- —
l.c.l. dlvd lb. 1450- —
tanks, dlvd lb 1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanitroaniline (see m-Nitroaniline).
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine).
Metatoluidine (see m-Toluidine).
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt. alld gal. .75 - —
Prices on natural methanol W. of Miss. 3c. per lb. higher.
syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .45 - —
l.c.l., same basis gal. .51 - —
tankwagon, 2,000-4,000-gal. lots, dlvd. Metropolitan area gal. .33 - —
4,000 gal., min., frt. alld. or dlvd gal. .30 - —
4,000 gal., min., works, Carteret, Camden, N. J gal. .27½- —
Zone 2, dms., c.l., or truckload min. frt. alld. or dlvd gal. .48 - —
l.c.l., same basis gal. .54 - —
tankwagon, 2,000-4,000-gal. lots, min., dlvd. Metropolitan areas gal. .36 - —
tanks, 4,000 gal., min., frt. alld. or dlvd gal. .33 - —

Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).
dl-Methionine, fib. dms., frt. alld. 50-lb. or more lb. 3.50 - —
feed grade, 98%, fib. dms., same basis lb. 2.63 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld. lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
l.c.l. same basis lb. .21 - —
hydrogenated, non-ret. dms., c.l., dlvd. Zone 1 lb. .21 - —
l.c.l., same basis lb. .21½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, nat., dms., l.c.l., E. of Miss., frt. alld. gal. .62½- —
syn., dms., c.l., frt. alld. E. gal. .57 - —
l.c.l., frt. alld E gal. .63 - —
tanks, frt. alld E gal. .45 - —

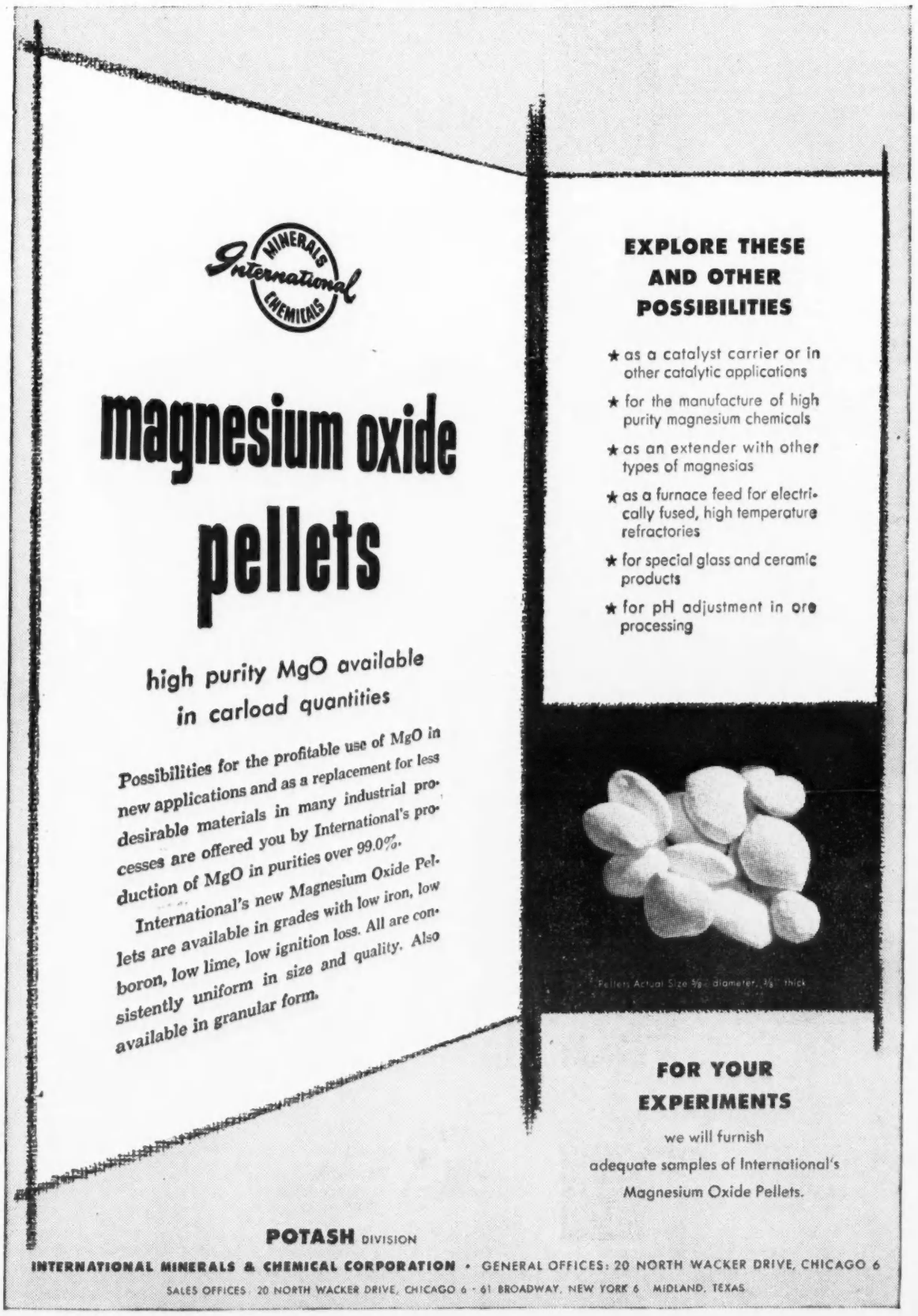
Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.

Acrylate, dms., c.l., t.l., dlvd. lb. .39 - —
l.t.l., dlvd lb. .40 - —
tanks, dlvd lb. .37 - —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E. lb. .15 - —
l.c.l., dlvd E lb. .16 - —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.05 - —
Anthranilate, cns lb. 2.50 - 2.65
Benzoate, cns., dms lb. .53 - .65
Bromide, jobbers, cyls., various sizes, frt. alld. E lb. .47 - .61
Cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works. lb. .78 - —
2,000-lb. lots and more, same basis lb. .65 - —
smaller lots, frt. alld. on 100 lbs. lb. .89 - 1.00
standard vis., 15,400 cps.), 50-lb., bgs., c.l., frt. alld. lb. .66 - —
2,000-lb. lots and more, same basis lb. .72 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .88
Chloride, indust., cycls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis lb. .15 - —
single unit, same basis lb. .11½- —
refrigerator mfrs., cyls., dlvd. lb. .45 - —
other consumers or service men, cyls., dlvd lb. .62 - —
Chloroform (see 1,1,1-trichloroethane).
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works. lb. .35½- —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Ethyl ketone, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —

Methyl formate, refd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .10 - —
Heptin carbonate, bots lb. 33.00 -42.00
p-Hydroxybenzoate, fib. dms lb. 1.90 - 2.00
Ionone, standard, cns., dms. lb. 5.20 - 5.50
Isobutyl carbinol, dms., c.l., dlvd. l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .16 - —
Ketone, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd. lb. .16 - —
tanks, dlvd. lb. .13 - —
Methacrylate, dms., c.l., t.l., frt. equald with Belle, W. Va. lb. .34 - —
smaller lots, same basis lb. .34½- —
tanks, same basis lb. .32 - —
Naphthyl ketone, cryst, cns lb. 3.60 - 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate)
Roseaniline, chloride, NF fib. dms., 5-lb. lots lb. 5.64 - —
Salicylate, USP, cns., 500-lb. lots lb. .56 - —
Testosterone, USP, 100-gram bots. gram. .68 - —
2-Methylbenzylamine, dms., l.c.l., works lb. 1.25 - —
2-Methylbenzyl dimethylamine, dms., c.l., works lb. 1.89 - —
l.c.l., works lb. 1.90 - —
2-Methyl-5-ethyl pyridine dms., c.l., works lb. .47½- —
l.c.l., works lb. .48 - —
tanks, works lb. .46 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 3.60
smaller lots same basis lb. 3.40 3.60
Chloride, tech., dms., c.l., dlvd. E. lb. .12½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .11¼- —

b-Methylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Methylpentanediol (see Hexylene glycol).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone (see 1-Phenyl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼ —
roofing, 20 to 80 mesh, works lb. .03 - .04
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06¼- —
l.c.l., ex-whse. or frt. alld. E lb. .07 - —
paint or lacq., bgs., c.l., works, frt. alld lb. .07¾- —
l.c.l. ex-whse or frt. alld. E lb. .08½- —
rubber, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
wallpaper, bgs. c.l., works, frt. alld., E lb. .07¾- —
l.c.l., ex-whse. or frt. alld. E lb. .08¼- —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¾- —
l.c.l. ex-whse or frt. alld. E lb 08½ —
Mica, wet-grd. W. of Miss. ½c. higher; W of Rockies, 1c. higher
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10¼- .11½
New York gal. .12½- —

Molybdenum (metal), powd., 80 or 200 mesh, cns., works kilo. 8.80 - —
Trioxide, pure, dms., works lb. 1.10 - —
tech., dms., works, basis Mo. content lb. 1.31 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb 53 - —
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E lb. .10 - —
l.c.l., same basis lb. .11 - —
tanks, same basis lb. .08½- —
Monoethanolamine, dms., c.l., dlvd. E lb. 27 - —
l.c.l., same basis lb. 28 - —
tanks, same basis lb. 25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd. E lb. .35 - —
l.c.l., dlvd. E lb. .36 - —
tanks, dlvd. E lb. .33 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylorthotoluidin (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25 - —
Monoisopropylamine, dms., c.l., dlvd. lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —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Monomethylamine—Oil, Castor No. 1

Monomethylamine, 30-35% soln., dms., c.l., frt. equald, 100% basis. lb. .40 - —
l.c.l., frt. equald 100% basis. lb. .40½- —
tanks, frt. equald 100% basis. lb. .31 - —
40% soln., dms., c.l., frt. equald., 100% basis lb. .37 - —
l.c.l., frt. equald, 100% basis. lb. .37½- —
tanks, frt. equald, 100% basis. lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl m cresol)
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Morphine, cns oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 10.00
Hydrobromide, cns oz. 9.90 9.95
Hydrochloride, NF, cns oz. 9.90 9.95
Sulfate, USP, cns oz. 9.90 10.05
Morpholine, dms., c.l., dlvd. E lb. .54¾- —
l.c.l. dlvd E lb. .55¾ —
tanks, dlvd E lb. .52¾- —
Musk, syn., ambrette, 100-lb. lots, fib. dms lb 5.15 - —
25-lb lots, cns lb 5.20 - —
5-lb lots, cns lb 5.30 - —
ketone, 100-lb. lots, fib. dms lb. 5.30 - —
25-lb lots cns lb 5.35 - —
5-lb lots, cns lb 5.45 - —
xylol, 100-lb. lots, fib. dms lb. 1.40 - —
25-lb lots, cns lb 1.45 - —
5 lb. lots, cns lb. 1.50 - —

Mustard seed, Danish, yellow, bgs lb. .10½- .11
Dutch, yellow, bgs lb. No prices
English, yellow, bgs. lb. .13 - —
Montana, oriental, bgs lb. .09½- —
yellow, bgs. lb. .10½- .11
Myrobalans, J-1, assorted, bgs., ex dock ton. 58.00 - —
crushed, bgs., ex dock ton. 82.00 - —
Bombay, bgs., ex dock ton. 55.00 -56.00
extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty lb. .10 - .10¼

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S)
Naphthalene, crude, dom., 74°, tanks, frt. equald lb. .0⁹13¼- —
78°, bgs., c.l., same basis lb. .07½- .08
l.c.l., same basis lb. .07¾- .08¼
tanks, same basis lb. .07 - —
imp., 78°, large lots lb. .07 Nom.
refd., dms., indust., chipped or crushed, bgs., frt. equald lb. .12½- —
flake, bgs., same basis lb. .14 - —
tanks, same basis lb. .11¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .15½- —
cs., 50 lbs., c.l., same basis lb. .15¾- —
Naphthalene, refd., balls, flakes, wholesalers, jobbers, 1-lb. pkgs., c.l., same basis lb. .18½- —
fib. dms., c.l., same basis lb. .13 - —
chipped, 100-lb. paper bgs., same basis lb. .12½- —
a-Naphthol, bbls., frt. alld lb. 1.00 - —
b-Naphthol, tech., flake, bbls., c.l., works lb. .33 - —
l.c.l., works lb. .35 - —
Benzoate, fib dms., works lb 3.00 - —
custom contract, works lb 1.65 - —
Salicylate, dms lb 5.00 - —
Sulfate, cns lb. 35.00 - —
a-Naphthylamine, bbls. frt. alld lb .50 - —
b-Naphthylamine, tech., flake, bbls., works lb. 1.60 - —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib, dms., 1 kilo lots, basis, activity gram. .45 - —
500-999 gram lots, basis, activity gram. .50 - —
Nerolin, cns lb. 2.15 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .77 - .90¼
Carbonate bbls., dlvd lb. .73¾- .81¾
Chloride, bbls., dlvd lb. .38½- .46½
Formate, bbls., ton lots, frt. alld. lb. .68 - .69
Metal, electro cathodes, cs., works lb. .64½- —
Nitrate, bbls., works lb. .37 - .38
Oxide, black, bbls lb. .76 - —
green, bbls. lb. .76 - —
Sulfate, bgs., c.l., dlvd lb. .30¼- —
l.c.l., dlvd lb. .31¼- .38¼
Nicotinamide, USP, dms., frt. adjusted kilo 12.00 -12.30
Hydrochloride, dms. frt. adjusted. kilo. 11.50 -11.80

Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld lb. 1.20 - —
manufacturers, 500-lb. dms., frt. alld lb. 1.03 - —
Niger seed, bgs lb. .11 - .11¼
Nikethamide, cbys lb. 5.00 - —
m-Nitroaniline, cryst., dms., frt. alld. lb. 1.05 - —
paste, 100% basis, dms., frt. alld. lb. 1.02 - —
o-Nitroaniline, flaked, dms lb. .54 - .57
powd., dms lb. .60 - —
p-Nitroaniline, dms., c.l., frt. alld. lb. .48½- —
l.c.l., frt. alld lb. .51½- —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt alld lb. .11 - —
o-Nitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
l.c.l. same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
l.c.l. same basis lb. .37 - .39
250-400, 600-1,000 secs., bbls., c.l., same basis lb. .39 - —
l.c.l. same basis lb. .40 - .43
spirit-soluble 30-35 cps., ¼, ½, secs., bbls., c.l., same basis lb. .41 - —
l.c.l. same basis lb. .42 - .44
5-6 cps., 40-60 secs., bbls., c.l., same basis lb. .40 - —
l.c.l. same basis lb. 41 - 43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms., c.l., frt. alld lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18 - —
p-Nitrochlorobenzene, dms lb. .26 - .27
2-Nitro-4-chlorophenol, dms lb. .75 - —
Nitroethane, dms., c.l., dlvd. E lb. .24 - —
l.c.l., dlvd. E lb. .24¾- —
tanks, dlvd. E lb. .22½- —
Prices West of Rockies are 1c. higher.
Nitrogen solution, 37%N, tanks, frt. equald., per ton of product basis ton. 46.50 - —
40.8%N, tanks, same basis ton. 51.15 - —
Nitrogenous process tankage, bulk, works unit-ton. 4.00 - 5.10
Sewage sludge, bulk, works, unit-ton. 2.95 + .50
Nitromethane, dms., c.l. dlvd. E lb. .24 - —
l.c.l., dlvd. E lb. .24¾- —
tanks dlvd. E lb. .22½- —
Prices West of Rockies are 1c. higher.
a-Nitronaphthalene, bbls., frt. alld. lb. .41 —
Nitropropane-1, and -2, dms., c.l., dlvd. E lb. .22½- —
l.c.l., dlvd. E lb. .23¼- —
tanks, dlvd. E lb. .21 - —
Prices West of Rockies are 1c. higher.
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., works, frt. equald lb. .50 - —
o-Nitrotoluene, dms. c.l. frt. alld lb. .10 - —
l.c.l. frt. alld lb. .11 - —
tanks, frt. alld lb. .09 - —
p-Nitrotoluene, dms., works lb. .33 - —
m-Nitro-p-toluidine, dms lb. 1.59 - —
Nitrous ether, conc. bots 100-lb. lots lb. 1.28 - 1.35
Nonyl phenol, dms. c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .24 - —
Nutgalls, Aleppo, bgs lb. .36 - .38
Chinese, bgs. lb. No prices.
Nutmeg, East Indian, bgs lb. .68 - .69
West Indian, bgs lb. .67 - .68
Nux vomica, bls lb. .10 - .12
powd., bbls., bxs lb. .15 - .17

O

Octane, indust., tanks, Bayonne, N. J. gal. .19 - —
Baytown, Tex gal. .15¾- —
Borger, Tex gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Octyl phenol, bgs., c.l., works lb. .23¼- —
l.c.l., works lb. .23¾- —
tanks, works lb. .22½- —
Drum prices for octyl phenol are 1c. higher.

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies, siberica, cns lb. 3.00 - 3.50
Almond, artif., bitter (see Benzaldehyde).
nat., bitter, F.P.A., bots lb. 3.00 - 3.75
NF, bots. lb. 3.25 3.75
sweet, USP, dms., cns. lb. .62 - .80
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.35 - 1.95
Angelica root, bots. lb. 66.00 -100.00
seed, bots lb. 56.00 -95.00
Aniline (see A)
Anise, USP, dms lb. 3.15 - 4.00
Apricot, kernel, USP, dms lb. .38 - .50
Avocado, cns. lb. 3.25 - —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.80 - 2.75
55-60%, cns. lb. 2.10 - 2.50
West Indian, 50-55%, cns., dms., lb. 1.85 - 2.40
Bergamot, nat., NF, Italian, cns. lb. 8.50 -11.00
Birchtar, crude, cns lb. 1.50 - 1.90
rectified, NF, cns lb. 1.75 - —
Bois de rose, Brazil, dms lb. 4.00 - —
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, native, cns lb. 1.75 - 2.10
redist., USP, cns lb 2.25 - 3.00
Calamus, bots lb 12.00 -20.00
Camphor, sassafrassy, dms lb. .35 - .50
white, dms. lb. .35 - .45
Cananga, native, cns lb 7.85 -10.25
rectified, cns. lb. 12.00 -14.75
Caraway, NF, cns. lb. 3.65 - 5.00
Capsicum (see Capsicum oleoreson).
Cardamom, NF, bots lb. 32.00 -40.00
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. lb. .2100- —
l.c.l. lb. .2150- —
dehydrated, bodied, dms., c.l lb. .2310- —
l.c.l. lb. .2360- —
tanks lb. .2160- —
unbodied, dms., c.l lb. .2160- —
l.c.l. lb. .2210- —
tanks lb. .2010- —
hydrogenated, bgs., c.l., dlvd lb. .21¾- —
l.c.l., dlvd. lb. .27¾- —
No. 3, tech., dms., c.l lb. .1625- —
l.c.l. lb. .1675- —
tanks lb. .1475- —
No. 1, Brazilian, tanks lb. .14¾- —

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400
intermediate for
synthetic detergents
Have you considered its advantages
for liquid detergent formulations?
As you know, the liquid detergent business is booming. The American housewife is buying more and more liquid detergents for washing clothes and dishes. To the formulator with an eye to profits and sales, NEOLENE 400 can be a "liquid asset" indeed. This high-quality hydrocarbon is supremely economical. In fact, its many notable properties have earned for NEOLENE a key position with the major processors. We welcome the chance to discuss its advantages for your formulations.
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Count on the Continental Oil Company, producer of NEOLENE 400, for prompt delivery as well as unvarying quality. Conoco's strategically located distribution facilities assure the fastest, most efficient service by tank car, tank truck, or barge. The advantage, of course, is in lower inventory requirements.
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CONOCO Petrochemicals
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JERSEY CITY
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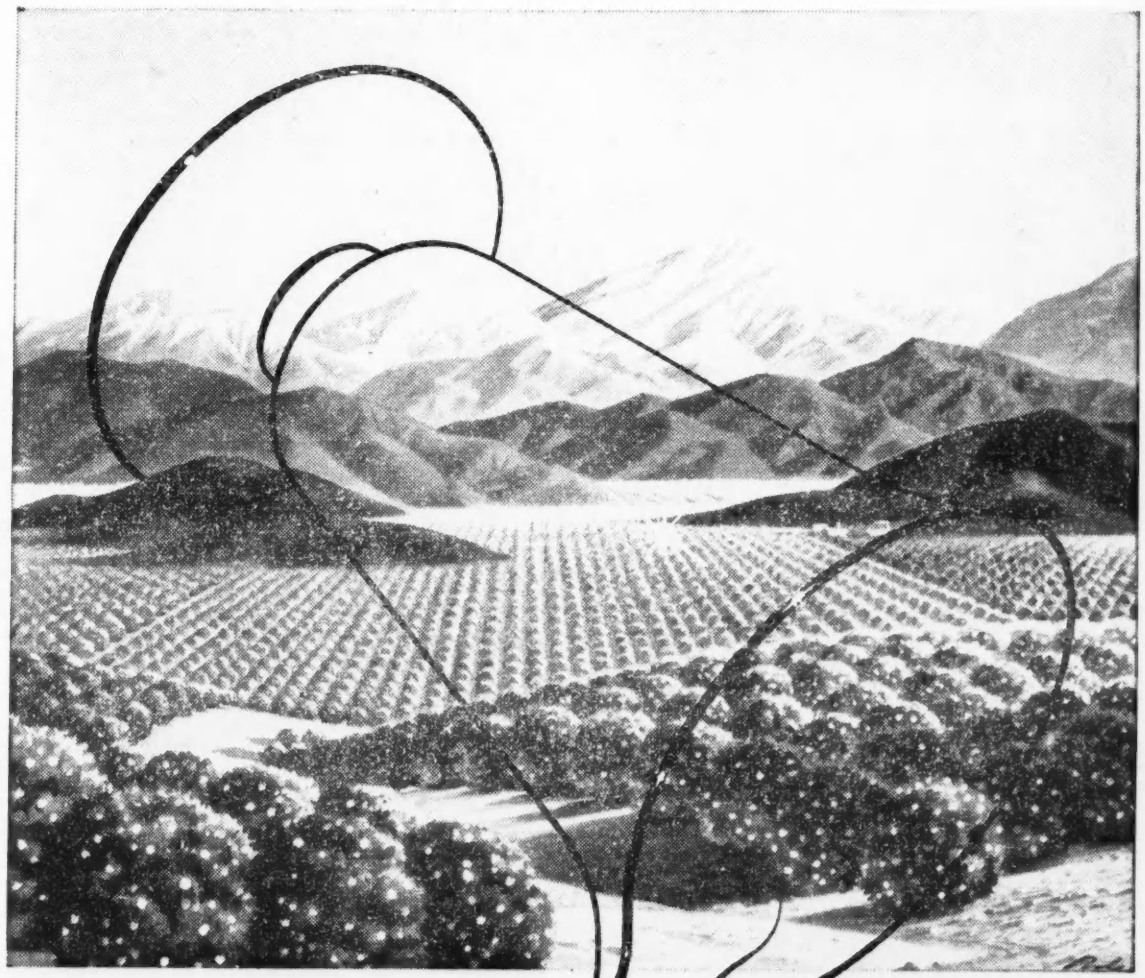
CONTINENTAL OIL COMPANY

Oil, castor, USP, dms., c.l.	lb.	.1850-	—
l.c.l.	lb.	.1900-	—
tanks	lb.	.1700-	—
refd. and deodorized, dms., c.l	lb.	.2075-	—
l.c.l.	lb.	.2125-	—
tanks		.1925-	—
Cedarleaf, USP, XIII, cns., dms.	lb.	3.15 -	3.50
Cedarwood, cns., dms	lb.	.65 -	1.00
Celery seed, bots	lb.	12.50 -	20.00
Chamomile, blue, Hungarian, bots.	lb.	90.00 -	180.00
Chenopodium, NF, cns	lb.	3.20 -	5.00
Chinawood (see Oil, tung).			
Cinnamon, bark, bots	lb.	25.00 -	70.00
leaf, crude, dms		1.30 -	2.00
USP, cns., dms. (Cassia)	lb.	13.50 -	—
Citronella, Ceylon, cns., dms	lb.	1.00 -	1.70
Java-type, cns	lb.	2.05 -	2.10
Java-type, cns.	lb.	2.00 -	2.25
Clove, bud, USP, cns., dms	lb.	2.85 -	4.00
leaf, crude, dms	lb.	1.20 -	1.50
Cocomut, crude, tanks, N. Y	lb.	.11⅞-	—
Pac. Coast	lb.	.10½-	—
refd., Cochin type, dms., tax incl., l.c.l	lb.	.19½-	—
deodorized, tax incl., dms., l.c.l	lb.	.21½-	—
Cod, Newfoundland, dms	lb.	.11½	Nom.
Codliver USP dms	gal	1.50 -	1.50
Copaiba, cns	lb.	1.75 -	2.50
Coriander, USP, bots	lb.	11.75 -	17.00
Corn, crude, tanks, works	lb.	.12⅜-	—
foots (soapstock), acid 95%, tanks, N. Y	lb.	.06¼-	—
refd., salad, dms	lb.	.17¾-	.17½
tanks	lb.	.15¾-	—
Costus, bots.	lb.	8.00 -	—
Cottonseed, crude, tanks, South East	lb.	.11⅞	Nom.
Valley	lb.	.11⅛-	—
Texas	lb.	.11½-	.11¾
foots (soapstock), acid 95%, tanks, N. Y	lb.	.04¾-	—
refd., salad, dms	lb.	.16⅜-	.16⅞
tanks	lb.	.15¼-	—
Creosote (see Creosote, coaltar)			
Cubeb, cns.	lb.	4.25 -	6.25
Cumin, bots., cns	lb	4.15 -	5.75
Cypress, bots.	lb.	5.30 -	—
Degras (see D).			
Dillseed, bots.	lb	2.80 -	4.25
Dillweed, dom., bots., dms	lb.	3.50 -	5.00
Dip (see D)			
Erigeron, cns	lb.	5.50 -	7.50
Eucalyptus, NF, rectified, 70-80%, drums	lb.	.70 -	1.05
80-90%, dms.	lb.	.85 -	1.25
Fennel, sweet, USP, cns	lb.	2.30 -	2.80
Fir, Canada, cns	lb.	2.35 -	3.00
Fish, refd., alkali, dms	lb.	.1400-	.1450
kettle-bodied, dms	lb.	.1630-	.1680
light-pressed, dms	lb.	.1250-	.1300
tanks	lb.	.1100-	—
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gram, dms., 1,000,000 units.		.08 -	.09
10,000 to 20,000 A units per gram, dms., 1,000,000 units.		.09 -	.10
25,000 to 35,000 A units per gram, dms., 1,000,000 units.		.09 -	.10
40,000 to 55,000 A units per gram, dms., 1,000,000 units.		.10½-	.11
100,000 A units per gram., dms 1,000,000 units.		.12 -	.14
200,000 A units per gram., dms 1,000,000 units.		.12 -	.14
300,000 A units per gram., dms., 1,000,000 units		.12 -	.14½
400,000 A units per gram, dms., 1,000,000 units		.12 -	.14½
500,000 A units per gram., dms 1,000,000 units.		.12 -	.14½

Prices above are based on the USP XIV method of conversion, Morton Stubbs Corrected E x 1900.

Fusel (see F).			
Garlic, pure, bots	oz.	4.75 -	9.50
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns	lb.	11.65 -	14.00
Bourbon, cns.	lb.	12.50 -	13.50
Turkish (see Oil palmarosa)			
Ginger, dist., bots	lb.	17.00 -	—
Grapefruit, dms.	lb.	1.75 -	3.25
Grease, No. 1, dms	lb.	.15¼-	.16¼
extra, winter, strained, dms	lb.	.17½-	.19
prime, burning, dms	lb.	.19 -	.20
Guiacwood, cns.	lb.	1.80 -	1.90
Hemlock, cns.	lb.	2.10 -	2.50
Juniper berry, NF, VIII, bots	lb.	2.75 -	4.00
twice rectified, bots	lb.	3.60 -	7.00
Tar, NF (see Juniper tar).			
Wood, tech., cns.	lb.	.38 -	.55
Lard (see Oil, grease).			
Laurel leaf, dms., cns	lb.	9.75 -	12.50
Lavandin, dms., cns	lb.	2.85 -	3.55
Lavender, flower, USP, French, 30-32% ester, cns.	lb.	2.85 -	4.60
38-40% ester, cns	lb.	9.50 -	13.20
40-42% ester, cns	lb.	10.00 -	16.50
spike, Spanish, cns	lb.	1.85 -	2.30
Lemon, USP, Calif., cns., dms	lb.	6.00 -	—
Messina, cns.	lb.	4.85 -	9.80
terpeneless, bots	lb.	32.00 -	85.00
Lemongrass, cns., dms	lb.	1.90 -	2.50
Lignaloe wood, Mex., cns	lb.	3.70 -	4.60
Lime, dist., Mexican, cns	lb.	3.25 -	4.75
West Indian, cs	lb.	3.25 -	4.75
expressed, West Indian, cns	lb.	7.00 -	8.00
terpeneless, bots.	lb.	29.50 -	100.00
Linseed, raw, dms., c.l., N. Y.	lb.	.1585-	—
l.c.l.	lb.	.1635-	.1675
tanks (f.o.b. Minneapolis)	lb.	.1310-	—
New York	lb.	.1435-	—
tankwagon, New York	lb.	.1465-	—
Boiled linseed oil, 000c per lb higher			
Mace, dist., cns., dms	lb.	3.65 -	4.50
Mandarin (see Oil, tangerine).			
Menhaden, crude, tanks, works, Atlantic Coast	lb.	.08¾	Nom.
Gulf ports, bulk, f.a.s	lb.	.09	Nom.
Mineral, white (see Oil, white mineral).			
Mirbane (see Nitrobenzene).			
Mustard seed, nat., dms	lb.	.18 -	—
syn., bots	lb.	1.60 -	1.85
Neatsfoot, 15° cold test, dms	lb.	.33 -	.34
20° cold test, dms	lb.	.32 -	.33
30° cold test, dms	lb.	.30 -	.31
Neroli, NF, French, bots	lb.	85.00 -	310.00
Spanish, bots.	lb.	32.50 -	85.00
Nutmeg, USP, dist., East Indian, cns., dms	lb.	4.55 -	5.25
West Indian, cns., dms	lb.	4.30 -	4.50
Ocotea cymbarum, dms	lb.	.55 -	.58
Oiticica, liq., dms	lb.	.16 -	.16½
tanks	lb.	.14½-	.15
Oleo, extra, dms	lb.	.13¾-	.14
Olibanum, bots.	lb.	5.50 -	7.65
extra fine, bots	lb.	8.00 -	9.00
Olive, edible, Spanish, dms., duty paid	gal.	2.55 -	2.65
Orange, sweet, dist., cns	lb.	.45 -	.80
expressed, USP, Brazilian, cns., dms	lb.	No stocks.	
Calif., cns., dms.	lb.	.55 -	1.25
Florida, cns., dms	lb.	.50 -	1.25
Messina, cns.	lb.	3.85 -	5.35
West Indian, cns., dms	lb.	2.50 -	3.65
sesquiterpeneless, bots	lb	65.00 -	120.00
Origanum, Spanish, cns	lb.	1.75 -	2.85
Palm, clarif., dms	lb.	.13¼-	.13¾
kernel, denat., tanks	lb.	.12 -	—
Oil, palmarosa, cns	lb.	8.00	-10.00
Paraffin, pale, 100-110 vis., at 100 F. tanks, East Coast refy	gal.	14	—
Patchouli, dms	lb.	7.95 -	9.50
Peach kernel, USP (see Oil apricot kernel)			
Peanut, crude, tanks, f.o.b. mills.	lb.	.18 -	.18½
refd., dms.	lb.	.23½-	.24
tanks	lb.	.22	Nom.
Pennyroyal, USP imported, cns	lb.	2.50 -	3.50
Peppermint, nat., dms	lb.	5.80 -	8.00
redist., USP, dms	lb.	6.05 -	9.00
Persic, USP (see Oil, apricot kernel).			
Petitgrain South American, cns., dms	lb	3.50	4.80
Pimento, berry, NF, dms	lb.	4.00 -	8.00
leaf, cns.	lb	2.60	3.10
Pine, dest.-dist., dms., l.c.l., works.	lb.	.12¼-	—
ex-whse.	lb.	.14¼-	—
steam dist dms. ex whse. N.Y.C	lb.	.163 -	—
Pineneedle, Siberian (see Oil, abies siberica).			
Rapeseed, tankcars	lb.	.16 -	—
Red (see Acid, oleic).			
Rice, bran, clarif., dms., l.c.l.	lb.	.17½-	—
tanks, dlvd. E	lb.	.13½-	—
Rose, nat., Bulgarian, bots	oz.	48.00	-54.00
Rosemary, Spanish, USP, cns., dms	lb.	60	1.00
tech., cns. dms	lb	50	.70
Rue, bots.	lb	2.00	2.50
Safflower, dms., c.l., Atl. coast	lb.	.1735-	—
tanks, same basis	lb.	.1585-	—
Sage, clary bots	lb.	18.50	-25.00
Dalmatian, cns.	lb.	4.50 -	6.00
Spanish, cns.	lb.	1.25 -	1.40
Sandalwood, NF, cns	lb.	17.25	-20.00
Sardine crude tanks, Pac coast.	lb.	.08½-	.09
Sassafras, artif., dms	lb.	.70 -	1.25
nat., dom., USP, dms	lb.	1.75	2.10
imp., Brazilian (see Oil ocotea cymbarum)			
Oil, savin, cns	lb.	2.75 -	—
Savory, cns	lb	4.25	—
Sesame, refd., dms	lb	36	.37
Shingle stain, tar distillate, dms., c.l., works	gal.	.35 -	—
l.c.l., works	gal.	.44 -	—
tanks, works	gal	.23	—
Snakeroot, Canada, cns	lb.	27.50	-31.00
Soybean, crude, tanks, Decatur.	lb.	.11¼-	—
foots (soapstocks), acid, 95%, tanks, N. Y	lb.	.06¾-	—
refd., alkali, dms	lb.	.15 -	.15¼
tanks	lb.	.13½-	—
clarified, dms.	lb.	.14½-	.15
tanks	lb.	.13 -	—
salad, dms.	lb.	.15⅛-	.15⅝
tanks	lb.	.13⅞-	—
Spearmint, USP, dms	lb.	4.75 -	5.60
Sperm, bleached winter, 45° dms	lb.	.1775-	.1825
tankcars	lb.	.1600-	—
nat., winter, 45°, dms	lb.	.1675-	.1725
tankcars	lb.	.1500-	—
Spruce, cns., dms	lb.	2.10 -	2.75
Sweet birch USP Northern cns	lb	4.25	9.50
Southern, cns	lb	2.50	3.00
Tall, crude, dms., c.l., works	lb.	.03½-	—
tanks, works	lb.	.02½-	—
dist., dms., c.l., works	lb.	.07½-	—
l.c.l., works	lb.	.07¾-	—
tanks, works	lb.	.06¼-	—
refd., dms., c.l., works	lb.	.06½-	.06¾
l.c.l., works	lb.	.06¾-	.07¼
tanks, works	lb.	.05¼-	.05¾
Tallow, acidless, dms	lb.	.13½-	.15
Tangerine, Floridian dms	lb.	2.00	2.80
Oil, tansy, dms	lb.	7.50 -	8.40
Tar acid (see T's).			
Pine, coml., dms., c.l., works	lb.	.0561-	—
l.c.l., works	lb.	.0734-	—
whse	lb.	.0745-	—
tanks, works	lb.	.046	—
rectified NF dms. incl., l.c.l. works, South	gal.	1.05 -	—
ex whse., N. Y. C	gal.	1.15	—
refined, dms., works, l.c.l., incl.	gal.	.92 -	—
N. Y. whse., l.c.l.	gal.	1.02 -	—
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns., dms	lb	1.70	3.75
white, cns	lb	1.95	4.00
tech., white, cns	lb	.40	1.85
Tung, dms., c.l., N. Y.	lb.	.27¾-	—
l.c.l., same basis	lb.	.28 -	.28½
tanks, N. Y.	lb.	.25¼-	—
domestic mills	lb.	.25¾	Nom.
Turkey red (see Oil castor, sulfonated)			
Turpentine, NF, cns., dms.	lb	38	45
Vetiver, Bourbon, cns.	lb.	13.00	-17.00
Haitian, cns.	lb	10.50	-17.50
Java, cns	lb	22.50	-40.00
Wheat germ, 5-gal. dms.	gal.	10.00	-13.00
White mineral, tech., 50-65 vis., non ret dms c.l., f.o.b. N. Y	gal.	51½	54½
65-75 vis. non ret dms. c.l., same basis	gal.	52½	55
l.c.l. same basis	gal.	57½	58½
80-90 vis., non-ret. dms., c.l. same basis	gal.	53½	56½
l.c.l. same basis	gal.	58½	59½
125-135 vis., non-ret. dms., c.l., same basis	gal.	59½ -	62½
l.c.l., same basis	gal.	64½	65½



Oranges are not all alike...

There are as many different varieties of oranges as there are apples. They differ in physical appearance, juice character, peel flavor and in the many constituents which make up the component parts of the fruit. Many oranges that may be comparable in some characteristics may differ widely in others and, in some respects, one may be three or four times as potent as the other.

That is why Exchange Brand California Oil of Orange is the standard the world over for orange flavor excellence. You not only get the benefit of Exchange experience, technical skills and vast fruit resources, but Exchange Brand Oil of Orange is made only from California oranges with peel oil that is far richer in flavor strength and more intense in the aromatic constituents which are universally accepted as true orange flavor.

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Exchange® OIL OF ORANGE U.S.P.

Sunkist Growers

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Distributed in the U.S. exclusively by

FRITZSCHE BROTHERS, INC., 76 Ninth Ave., New York 11, N.Y. • DODGE & OLCOTT, INC., 180 Varick St., New York 14, N.Y.

Oil, white mineral, tech., 145-155 vis, non-ret., dms., c.l., same basis ..gal. .66 - .69½
t.c.l., same basis gal. .71 - .71½
175-185 vis., non-ret. dms., c.l., same basis gal. .69½ - .73
t.c.l., same basis gal. .74½ - .75
USP, 200-210 vis., non-ret., dms., c.l., same basis gal. .73½ - .75
t.c.l., same basis gal. .77½ - .78
345-355 vis., non-ret. dms., c.l., same basis gal. .77 - .80
t.c.l., same basis gal. .83 - .85
Wintergreen, USP, nat., Northern, cns lb. 6.35 -10.30
Southern cns lb 3.20 -19.50
Syn. (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed (see Oil, Chenopodium, NF).
Wormwood, cns ..... lb 5.00 - 6.85
Ylang-ylang, Bourbon, bots..... lb.28.00 -40.00
extra bots ..... lb No stocks
Madagascar bots ..... lb. .10½ - .11
Oleostearine, bbls. ..... lb. .10½ - .11
Opium, USP, cns ..... oz.19.20 -19 45
gran., USP, cns ..... oz.21.65 -21 90
powd USP, cns ..... oz.21.65 -21.90
Orange cadmium lithopone, bbls., frt. alld E. of Rockies lb. 1.56 - —
Chrome, CP, bbls., dlvd N. of Tenn and N. C. E. of Miss. R., include Davenport, Tenn., and E of Minneapolis, Rock Island, St. Louis, St. Paul lb. .33 - .33½
Chrome orange prices are ½c. higher dlvd Ala., Fla., Ga., La (Shreveport; 1½c Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.
Dinitroaniline toner lb. 1.30 - —
Mineral, American, bbls., l.c.l., works lb. .2160- —
Molybdated, bbls ..... lb 46 - .46½
o-Nitroaniline toner kgs ... lb 1 15 —
Peel, bitter, Haitian, bls ..... lb. .14 - .16
sweet bls ..... lb 16 18
Orris root, Florentine, bls ..... lb. .45 - .50
powd., bbls., bxs. ..... lb. .30 - .33
Verona, bls ..... lb. .35 - .40
powd., bbls., bxs. ..... lb. .40 - .45
Orthoaminobiphenyl (see o-Aminobiphenyl)
Orthoanisidin (see o-Anisidine)
Orthochloroanilin (see o-Chloroaniline)
Orthochlorobenzaldenyde (see o-Chlorobenzaldehyde)
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline)
Orthochlorophenol (see o-Chlorophenol)
Orthocresol (see o-Cresol)
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline)
Orthonitrochlorobenzene (see o-Nitrochlorobenzene)
Orthonitrobiphenyl (see o-Nitrobiphenyl)
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol)
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene)
Orthophenetidin (see o-Phenetidine)
Orthophenylphenol (see o-Phenyl phenol)
Ortho-tertiary-amylphenol (see o-tert-Amyl phenol)
Orthotolidin (see o-Tolidine base)
Orthotoluidin (see o-Toluidine)
Osage, orange, cryst., No. 1, bbls. t.c.l lb. .40 —
extract, liq., No. 1, bbls., l.c.l., lb. .19 —
Ouabain, USP, bots gram. 3.00 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb 4.75 5.00
smaller lots, works lb 4.92 5.17

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Pancreas substance, assay 1:75 bots., 5-lb lots or more lb 4.00 —
Pancreatin USP bots lb 1.90 2.10
Papain, USP African, bots lb 3.50 4.00
Ceylon lb 3.00 3.50
Papaverine nat or syn hydrochloride, USP cns., 25-oz to 100-oz. lots oz 5.00 —
smaller lots oz 5.05 5.20
Sulfate cns oz 7.10 7.35
Paprika, Roumanian, bgs ..... lb. .28 - —
Spanish, bgs. ..... lb. .35 - .36
Yugoslavian, bgs. ..... lb. .36 - .37
Para-aminophenol (see p-Aminophenol)
Para-anisidin (see p-Anisidine)
Parachloranilin (see p-Chloroaniline).
Parachloro-orthonitroanilin (see 4-Chloro-2 nitro aniline)
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde)
Parachlorophenol (see p-Chlorophenol)
Paracresol (see p-Cresol)
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude scale, white, 121°-123°F ASTM solid c.l. refy lb. 0710 —
fully refd., 122°-124°F., ASTM, c.l., refy lb. .0855- —
125-127 F ASTM slabs loose, c.l., refy lb. 0845 —
130°-132° F. ASTM slabs loose, c.l., refy lb. 0855 —
132°-134°., ASTM, c.l., refy lb. .0855- —
135°-137°F., ASTM, slabs, loose, c.l., refy lb. .0855- —
Prices for paraffin in bags and cns. c.l. 7 10c per lb. higher; 1,000 to 9,999 lbs., 2 7c per lb. higher and under 1,000 lbs. 3 7c. per lb higher
AMP temperatures are an arbitrary 3°F higher than ASTM
Paraformaldehyde, 91% flake, bgs., c.l., frt. alld lb. .1075- —
l.c.l., frt. alld lb. .1275- .1375
powd., bgs., c.l., frt. alld lb. .15½- —
l.c.l., frt. alld ..... lb. .17 —
USP X, fib dms., c.l ..... lb. .183 —
1,000-lb lots lb .193 —
smaller lots lb 208 —
Paraldehyde, tech., 98%, 55 gal. dms. c.l works lb 13½ —
t.c.l. works lb. 14½ —
tanks, works lb. 11½ —
Paranitroanilin (see p-Nitroalinine).
Paranitrochlorobenzene (see p-Nitrochlorobenzene)
Paranitrophenol (see p-Nitrophenol)
Paranitrotoluene (see p-Nitrotoluene)
Paraphenetidin (see p-Phenetidine)
Paraphenylenediamine (see p-Phenylenediamine)
Paraphenylphenol (see p-Phenylphenol)
Para-tertiary-amylphenol (see p-tert-Amylphenol)
Para-tertiary butylphenol (see p-tert-Butylphenol)
Parathion, spray powder, 15% dealers, dms., works lb 50 53
tech., dms. c.l., t.l., works lb 1.3395- —
l.c.l., works lb 1 51 - —
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb. .36 - .40
l.c.l., same basis ..... lb. .37 - .53
Passion flower herb, bls..... lb. .20 - .21
Peanut meal, 45%, old process, bgs., mills ton.58.00 Nom.
Pectin, citrus, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls ..... lb. 1.35 - —
imported, Danish, ex whse lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .03½ - .04
Procaine bulk ... 1,000,000 units. .03½ - .04
Sodium, sterile, bulk, 1,000,000 units. .03½ - .04
Pentachlorophenol, dms., c.l., t.l., works, frt. equald lb. .21 —
l.c.l., same basis lb. .22½ - .29
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
t.c.l., works lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, indust., tanks, Tex. refy. gal. .14½ - —
Pepper, black, Malabar, spot, bgs. lb. .38 - .39
red, Sondar, spot, bgs ..... lb. No prices.
Japanese, hontaka, bgs lb. .33 .34
birdseyes, bgs., new crop lb. No prices.
Mombasa, bgs., shipt ..... lb. .65 - —
Nigerian, bgs. ..... lb. .29½ - —
Turkish, bgs. ..... lb. .28 - —
white, bgs ..... lb. .44 - .45
Peppermint leaves, USP dom., bls., dms lb 70 75
imp., bls. ..... lb 1.10 —
Pepsin NF 1:3,000 bulk lb 3 45 3.50
Perchloroethylene, dms., c.l., or truckloads, dlvd E lb. .12½ —
l.c.l., dlvd. E lb. .14 —
tank trucks, 1,000 gal., min. dlvd. E lb. .11½ - —
tanks, dlvd E ..... lb. .11 —
dlvd. W ..... lb. .11½ —
Peru balsam dms lb 1.50 1.75
Petrolatum, amber dms. c.l., refy lb. .05⅝ - .06¼
l.c.l., dlvd ..... lb. .07⅜ - .07⅜
tanks, refy ..... lb. .03⅞ - .04¾
cream, dms., c.l., refy ..... lb. .06¾ - .07¾
l.c.l. dlvd. ..... lb. .09⅛ - .09⅛
tanks, refy ..... lb. .05 - .06¼
extra amber, dms., c.l., refy ... lb. .05⅞ - .06½
l.c.l., dlvd ..... lb. .07⅜ - .07⅜
tanks, refy ..... lb. .04⅛ - .05¼
USP, white, lily, dms., c.l., refy. lb. .07¼ - .07⅜
l.c.l., dlvd ..... lb. .09½ - .09¾
tanks, refy ..... lb. .05½ - .06⅛
snow, dms., c.l., refy ..... lb. .08⅛ - .08⅜
l.c.l., dlvd ..... lb. .10 - .10¼
tanks, refy ..... lb. .06 - .06½
soft, dms., c.l., refy ..... lb. .07⅜ - .07⅝
l.c.l., dlvd ..... lb. .09⅛ - .09⅜
tanks, refy ..... lb. .05¾ - .06⅛
yellow, soft, dms., c.l., refy lb. .05⅞ - .06⅛
l.c.l., dlvd lb. .07½ - .07¾
tanks, refy lb. .04⅛ - .06½
Petroleum, lacquer diluent, 150°-240° F. b.r., tanks, West Coast, ex tax, Los Angeles gal. .169 - .204
East coast N. J., N. Y. gal. .17
Group 3, benzol-type gal. 13125 13375
toluol-type gal. 13125 13375
Mineral spirits, reg., tanks, California, ex tax, San Francisco gal. .164 - —
East coast N. J., N. Y. gal. .17 —
Group 3 gal. 11875 - —
tankwagon, Boston ..... gal. .19 - —
Buffalo ..... gal. 195 —
Chicago ..... gal. 279 —
Cleveland ..... gal. 22 —
Newark ..... gal. .18 - —
New York ..... gal. .18 —
Philadelphia ..... gal. 185 - —
Pittsburgh ..... gal. 18 —
Providence gal 195 —
odorless, tanks, refy., Watson, Cal gal. .245 —
Borger, Tex gal. .24 —
Houston, Tex gal. .24 —
Wood River, Ill gal. .2625- —
dlvd. N. J gal. .32 —
dlvd. N. Y gal. .33½ —
tankwagon N. J., dlvd gal. 36 —
N. Y., dlvd gal 37 —
Naphtha, cleaners, tanks, East Coast, N. J. and N. Y. gal. .17 —
Group 3 gal. 12875- —
tankwagon, Newark gal. 18 —
New York gal. 18 —
Philadelphia gal 185 —
High solvency (see Petroleum solvent, partial aromatic)
V.M.&P., 225°-300°F, b.r., tanks, West Coast, Los Angeles gal. .169 - —
Portland, Ore gal. .175 —
San Francisco gal. .174 —
Seattle, Wash gal. .175 —
East Coast, N. J., N. Y gal. .18 - —
Group 3 gal. 12875- —
tankwagon, Boston gal. .205 - —
Chicago gal. 289 —
Cleveland ... gal. 23 —
Newark ... gal. 195 —
New York ... gal. 195 —
Philadelphia gal 20 —
Pittsburgh gal 19 —
Solvent, partial aromatic, tanks, 205°-282° F., b.r., 41°C., m.a.p., N. Y., N. J gal. .245 —
212°-278°F b.r. 43°C m.a.p., N. J gal. .26 - —
212°-284°F b.r. 19°C m.a.p., N. J gal. .29 - —
224°-280°F b.r., 48°C. m.a.p., Houston gal. 215 —
273°-361°F b.r. 29°C m.a.p., N. J gal. .29 - —
282°-325°F b.r., 41.5°C m.a.p Houston gal. 25 - —
287°-386°F., b.r. 31°C., m.a.p., N. J gal. 29 - —
310° 344°F., b.r., 13.5°C., m.a.p., Texas City gal. .33 - —
310°-348°, b.r., 17°C., m.a.p., N. Y., N. J gal. .35 - —
310°-360°F. b.r., 16°C. m.a.p., N. Y., N. J. gal. .33 - —
324°-349°F., 37°C., m.a.p., Houston gal. .33 - —
341°-390°F., b.r., 35°C., m.a.p., N. J gal. .27 - —
352°-413°F, b.r., 30°C. m.a.p., Houston gal. .33 - —
356°-401°F., b.r., 25°C. m.a.p., N. Y., N. J gal. .39 - —
364°-404°F b.r., 19°C m.a.p., N. Y., N. J gal. .425 - —
367°-418°F b.r., 19.6°C m.a.p., N. Y., N. J gal. .33 - —
rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. 18 - —
Group 3 .. .. gal 12875- —
Petroleum solvent, Stoddard, tanks, East Coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .12375- —
Pennsylvania, western gal. .15 - —
Boston ..... gal. .19 - —
Chicago ..... gal. .289 - —
Cleveland ..... gal. .22 - —
Los Angeles, ex tax... gal. .194 - —
Newark ..... gal. .18 - —
New York ..... gal. .18 - —
Philadelphia ..... gal. .185 - —
Pittsburgh ..... gal. .18 - —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret., ret. dms., c.l., works lb. .16½ - .18¾
l.c.l., works ..... lb. .17½ - .19
tanks, works lb. .14½ - .17
50-55% sulfonic content, non-ret. dms., c.l., works lb. .16 - —
l.c.l., works ..... lb. .17 - —
tanks, works ..... lb. .13 - —
o-Phenetidine, dms., works ... lb. 1.00 - —
p-Phenetidine, dms., works lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 3.50 - —
Phenobarbital-sodium, USP, dms., 100-lb. lots lb. 3.50 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms. c.l. frt alld E. of Rockies lb. .16¾ -
l.c.l., same basis .... lb. .17½ - —
tanks, same basis .... lb. .15 - —
82-84% (cresol 16-18%), non-ret. dms., c.l., same basis lb. .16¼ - —
l.c.l., same basis .... lb. .17 - —
tanks, same basis .... lb. .14½ - —
39° or above, tar distilled, non-ret. dms., c.l., same basis. lb. .18¼ - —
l.c.l., same basis .... lb. .19 - —
tanks, same basis .... lb. .16½ - —
USP, syn., dms., c.l., frt. alld. lb. .18¾ - —
1,000-lb lots or more, same basis lb. .19½ - —
less than 1,000-lb lots, same basis lb. .20½ - —
tanks, same basis .... lb. .17 - —
Phenolphthalein USP or yellow, bbls., dms. 2,000-lb lots. lb 1.10 - —
smaller lots lb 1 12 1.17
Phenothiazine NF fib dms. c.l. frt. adjusted lb. .39 - —
over 2,100 lbs., same basis lb. .41 - —
less than 2,100 lbs. same basis. lb. .43 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol)
Phenylacetaldehyde, soln., 50% bots lb 2.40 2 70
100% bots lb 4.00 4.65
Phenylacetamide 125-lb dms. works lb 1.10 —
smaller dms. works lb 1.15 1 10
dl-Phenylalanine dms. works lb 27.00 -37 50
1-Phenyl-3-carnethoxy pyrazolone-5, 250-lb. fib dms., dlvd. E lb 3.60 - —
smaller dms. dlvd E lb 4.00 - —
Phenyldiethanolamine dms., c.l., dlvd. E lb. .40 - —
l.c.l., dlvd. E ..... lb. .41 - —
tanks, dlvd. E lb. .38½ - —
m-Phenylenediamine dms. frt. alld. lb. .90 —
o-Phenylenediamine, comt., 100 to 1,000 lbs., fib dms., works lb. 1 70 - 1.80
p-Phenylenediamine, tech., refd., dms., works lb. 1.35 - —
Phenylethanolamine dms., c.l., works lb. .75½ - —
l.c.l., same basis lb. .76 - —
Phenylethyl acetate, bots lb 1.30 - —
b-Phenylethylamine, dms., 1,000-lb. lots, works lb. 1.10 - —
smaller lots, works lb 1.15 1 40
Phenylhydrazine base, CP bots lb. 3.00 3.07
Hydrochloride comt. kgs. works. lb 1.75 - —
purif., bots., works lb 5.17 - —
1-Phenyl-3-methyl pyrazolone-5 250-lb lots, dlvd. E lb 1.80 - —
smaller lots, dlvd lb. 2.10 - —
Phenylethylphenyl acetate, bots lb. 3.95 - 4.40
o-Phenylphenol, dms., l.c.l., works, lb. .42 - .44
p-Phenylphenol, bgs., c.l., works lb. .35 - —
l.c.l., works lb. .39½ - —
Phloroglucinol, comt., fib. dms., works lb. 6.40 - —
C.P., bots., works .....lb.17.75 - —
tech., fib. drums., works ....lb.10.45 - —
Phosphate, defluorinated (see under D).
Rock, Curacao, Atlantic ports, New Orleans ton.43.00- —
Florida, land pebble, run-of-mine, washed, dried underground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long-ton. 4.75 - —
70-68%, b.p.l., c.l., same basis long-ton. 5.15 - 5.16
72-70% b.p.l., c.l., same basis long-ton. 5.81 - —
75-74% b.p.l., c.l., same basis long-ton. 6.81 - —
78-76%, b.p.l., c.l., same basis long-ton. 7.81 - —
The above prices are based on fuel oil at $2.35 per bbl. and labor at $1.31. Recent 7c. labor advance and 10c. fuel oil advance currently absorbed.
Phosphorus, amorph. red, dms., t.l., works lb. .43 - —
smaller lots, works lb. .44 - .45
white (yellow), solid, dms., c.l., works, frt equald lb. .20 .20½
l.c.l., works, frt. equald, lb. .21½ - —
tanks, works, frt. equald, lb. .19 - —
Oxychloride, dms., c.l., works lb. .14 - —
l.c.l. works ..... lb. .15 - —
tanks, works ..... lb. .12½ - —
Pentasulfide, solid, dms., c.l., works lb. .11½ - —
t.c.l., works ..... lb. .12½ - —
Pentoxide, dms., c.l. works .. lb. .13½ - —
t.c.l. works ..... lb. .16½ - —
Sesquisulfide, tins, cs., works lb. .29 - —
export, dms lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works ..... lb. .15 - —
tankcars, works ..... lb. .12¼ - —
Phthalic anhydride ogs, c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19¼ - —
Phthalimide, 97°-98°%, dms., frt. alld lb. .65 - —
Phthalylsulfacetamide, 1,000-lb. lots or more lb. 5.00 - —
a-Picoline, ret. dms., c.l., works, frt. equald lb. .43 - .43½
t.c.l., works, frt. equald ..... lb. .44 - -
tanks, same basis ..... lb. .415 - .422
b,g-Picoline, 5° dms., c.l., works, lb. .32½ - —
t.c.l. works ..... lb. 33 - —
g-Picoline, 98%, dms., works.... lb. 2.00 - —
lb. 2.00 - —
Pilocarpine hydrochloride, USP, bots oz 5.25 —
Nitrate, USP, bots., vials oz. 4.80 - 4 90
Pimento, Jamaican, bgs.....lb. .83 - .86
Mexican, bgs. .....lb. .64 - .65
Pink root, bls. ..... lb. 3.00 3.25
d-Piperazine hexahydrate, French Codex, bots bllo. 8.00 8.50
Piperidine, dist., dms. frt. equald. lb. 2.60 - 2.70
Piperonyl butoxide, dms., dlvd. E..lb. 4.50 - 5.05
Cyclonene, dms., dlvd. E .... lb. 3.70 - 4.25
Pitch, coaltar, 150°-170°F. m.p., tanks, works ..ton.37.00 - —
Cottonseed, raw, dms., works lb. .02¼ - .03
Linseed dms ..... lb. .06 Nom.
Marine, dms. ..... lb. .04¼ - .05
Petroleum (see Asphalt, petroleum).
Soybean dms. works lb .05 Nom
Tall, dms., works lb. .03¾ - 04⅛
Plaster of Paris (see Gypsum).
Platinum metal, works .....oz.97.00 -99.00
Pleurisy root, bls.....lb. .45 - .50
Podophyllum resin, NF, dms....lb.14.25 - —
Poke root, bls ..... lb. .19 - .22
Polymyxin, bulk, bots., dms., 50 billion units or more, 1,000,000 units. .52 - —
25-50 billion units 1,000,000 units. .54 - —
1-25 billion units 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 —
10,000-20,000-lb lots, works, lb. .43 —
smaller lots works lb. .46 48
tristearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000 lb lots, works, lb. .43 —
smaller lots, works lb. 46 48
Poppy seed, Argentine, bgs..... lb. No prices.
Dutch, bgs. ..... lb. .26 - —
Iranian, bgs. ..... lb. .15 - —
Polish, bgs. ..... lb. .25½ - —
Turkish, bgs. ..... lb. No prices.
Potash caustic reg. flake, 88-92% dms., c.l., works 100 lbs. 9.15 - —
t.c.l. works 100 lbs.10 20 - —
liq., 45% basis, dms., c.l., works 100 lbs. 4.25 - —
t.c.l., same basis 100 lbs 5.05 - —
tanks, same basis 100 lbs 3 70 - —
solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
t.c.l., works 100 lbs 9 75 - —
Potassium acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd dms lb .24 - —
Bichromate, bgs., c.l., works lb. .16½ - —
t.c.l., works ..... lb. .17 - —
Potassium bichromate in dms ½c higher.
Bitartrate, NF, dom., gran. or powd., bbls., 5,000 lbs., l. shipt lb. 36½ - —
dms., c.l. lb. .36 - —
smaller lots lb. .37 - .40
imp, kgs. ..... lb. .29 - —
Bromate dms. 1,000 lbs. or more. lb. .50 - —
25-200-lb. lots lb. .52 - .62
Bromide, USP, gran., bbls., kgs.lb. .56 - —
Carbonate, NF, gram., bbls., dms. lb. .20 - —
powd., bbls., dms lb. 21 - 22
tech., calcined, bbls., c.l., works, 100 lbs. 9.00 - —
t.c.l., same basis 100 lbs.10 05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs 7.60 - —
l.c.l., works ....100 lbs. 8.65 - —
Chlorate cryst. dms., c.l., works lb. .10¼ - —
l.c.l., works ..... lb. .10½ - .11⅛
powd., dms., c.l., works lb. .10⅝ - —
l.c.l., works ..... lb. .11 - .12
export, dms., New York lb. .12¾ - 13⅛
NF, gran., 25-lb. metal dms lb. .35 - —
Chloride, USP, cryst., dms .. lb. .21 - .23
gran. dms lb 15 .17
powd. dms lb 24 - .26
Chromate, tech. bgs ..... lb. .50 - .50¼
Citrate, USP gran., dms .... lb. .41 - —
powd., dms ..... lb. .40½ - .41½
Cyanide dms., 20,000-lb. lots or more, works lb. .45 - —
2,000-19,999-lb. lots, works lb. .455 - —
smaller lots, works lb. .465 - —
Dichromate (see Potassium bichromate)
Ferricyanide, drums, ton lots lb. .50 - —
Ferrocyanide, bgs., ton lots lb. .22½ - —
smaller lots lb. .23 - —
Fluoborate, fib. dms., c.l., works, lb. .30 - —
t.c.l. works ..... lb. .31 - —
Fluoride dms., works .....lb. .37 - .38
Gluconate, dms. .....lb. 1.60 - —
Guaiacolsulfonate, NF, dms.... lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP pellets 100-lb dms 1 to 100-dm. lots lb. .28½ - .33
Hypophosphite, NF, fib. dms., ton lots or less lb. 1.00 1.03
Iodide, dms. ..... lb. 1.90 1.95
Manure salt, 22% K_2O, base price, unit-ton. .17 - .176
July forward unit-ton. .38 - —
Metabisulfite, gran. dms .. .20 - .21
powd. dms lb .25 —
Muriate, 59-63% K_2O, bulk, c.l., works, base price unit-ton. .36 - —
July forward unit-ton. .38 - —
39-63% K_2O, bgs, c.l., works, base price ton.26.00 - —
July forward ton.27.20 - —
Nitrate cryst., bbls., 20-ton lots. 100 lbs.14.40 - —
smaller lots 100 lbs.14.65 -14.90
gran., bbls., 20-ton lots.100 lbs. 9.75 - —
smaller lots 100 lbs.11.10 -11.50
powd., bbls., 20-ton lots.100 lbs.10.75 - —
smaller lots .....100 lbs.12.00 -12.50
USP, gran., dms. ..... lb. .18 - —
Potassium nitrate in bags 50c. per 100 lbs. less in kegs, $1 more.
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton.191.50 - —
dms., ton lots, ex whs ton.198.00 - —
smaller lots, ex whse ton.302.50 - —
Powdered potassium pentaborate $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .17½ - —
l.c.l., works ..... lb. .18 - .19
Permanganate, coml., kgs., works, lb. .24½ - .27½
USP, dms., works ..... lb. .27¼ - .29
Persulfate, dms., 5-ton lots, works, lb. .18 - —
1-ton lots, works ..... lb. .20 - —
Phosphate, tetrabasic, bbls., works, lb. .16½ - .18½
Prussiate, red (see Potassium Ferricyanide).
yellow (see Potassium Ferrocyanide).
Silicate, glass bgs., c.l., works 100-lbs.17.00 -17.30
t.c.l., works .....100-lbs.17.80 - —
soln, clarif., 29° Be, 1:2.5, dms., c.l., works 100-lbs. 5.80 - —
l.c.l., 5 dms. or more works..100-lbs. 6.55 - 6.95
tanks, works ....100-lbs. 5.45 - —

Potassium silicate, electrical grade, 29° Be, 1:2.0 dms., c.l., works	100 lbs.	6.50	—
l.c.l., 5 dms. or more, works	100 lbs.	7.25	7.65
tanks, works	100 lbs.	6.15	—
40.5° Be, 1:2.1, dms., c.l., works	100 lbs.	6.45	—
l.c.l., 5 dms. or more works	100 lbs.	7.20	7.60
Silicofluoride, bbls., works	lb.	.099	.1040
Stannate, dms., frt. alld. E	lb.	.740	.806
Sulfate, agricultural 50% K_2O, bulk, works, base price	unit-ton.	.64	—
July forward	unit-ton.	.67	—
NF VII cryst., dms	lb.	.31	.33
gran. dms	lb.	.18½	—
powder dms	lb.	.36½	.17
Sulfocyanate, NF, cryst. (see Potassium thiocyanate).			
Thiocyanate, NF, cryst., dms	lb.	.84	.94
tech works	lb.	77	79
Titanate, cns., c.l., works	lb.	.14	—
5-ton lots, works	lb.	.14½	—
1-ton lot or less, works	lb.	.14¾	—
Toluene sulfonate, dms., c.l. or l.c.l., works	lb.	.42	—
	lb.	.46	—
Potassium-magnesium sulfate, bulk, works, basis 40% K_2SO_4, 18% MgO, base price	ton.	13.45	—
July forward	ton.	14.00	—
Potassium-sodium tartrate, NF, gran. powd., dms., c.l.	lb.	.41	—
5,000-lb. lots	lb.	.41½	—
smaller lots	lb.	.42	.47
Potassium-titanium fluoride, fib. dms., works	lb.	.39	.40
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.52½	.55
Pregnenolone, bots.	gram.	.45	—
Acetate, bots.	gram.	.40	—
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld	lb.	2.90	—
100-lb. lots	lb.	3.00	3.60
Progesterone, USP, bots., 100 gram lots	gram	.50	—
Acetate, bots.	gram	.70	—
Propane, indust., tanks, group 3,	gal.	.04½	—
N. Y. Harbor	gal.	.09	—
n-Propyl acetate, dms., c.l., dlvd	lb.	.12¾	—
l.c.l. dlvd	lb.	.13¾	—
tanks, dlvd	lb.	.1075	—
Gallate, dms., 100 to 2,000-lb. lots works	lb.	3.90	4.40
p-Hydroxybenzoate, USP, dms	lb.	2.30	2.40
Propyl thiouracil, bots., 50-kilo lots or more	kilo.	55.00	—
smaller lots	kilo.	55.10	55.30
Prices in West 1c higher dlvd. on same basis			
Propylene dichloride, dms., c.l., dlvd. E	lb.	.0825	—
l.c.l., same basis	lb.	.095	—
tanks, same basis	lb.	.07	—
Glycol, indust., dms., c.l., dlvd, E	lb.	.15½	—
l.c.l., same basis	lb.	.16½	—
tanks, same basis	lb.	.13½	—
USP, dms., c.l., dlvd. E	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.15½	—
Methyl ether, dms., c.l., dlvd.	lb.	.20	—
l.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.18½	—
Oxide, dms., c.l., dlvd. E	lb.	.17½	—
l.c.l., dlvd. E	lb.	.18½	—
tanks, dlvd. E	lb.	.15½	—
Psyllium seed, black, bgs.	lb.	.55	—
blonde, bgs.	lb.	.18	—
husks, bgs.	lb.	.40	—
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots	lb.	.03⅝	.04¼
smaller lots	lb.	.03⅞	.04½
imp., Italian, silk-screen, coarse, bgs., ton lots	lb.	.06½	—
fine, bgs. ton lots	lb.	.04	—
sun dried coarse bgs ton lots	lb.	.02½	.04
fine, bgs. ton lots	lb.	.02½	.04
Pumpkin seed, bgs	lb.	.25	.30
Pyrethrin, syn., (see Allethrin).			
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works	lb.	.45	—
powd., 1.3% pyrethrins, obls., works	lb.	.65	—
liq. 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works	gal.	8.35	8.55
100/1 basis (10 grams pyrethrins per 100cc odorless base), dms., works	gal.	41.75	42.75
oleoresin, dewaxed, 20%, dms., works	lb.	9.80	9.90
purif., 20% dms., works	lb.	10.00	10.10
Pyridine, denaturing, dms., c.l., works and frt. equald	gal.	2.77	—
l.c.l., same basis	gal.	2.80	—
refd., 2°, non-ret. dms., l.c.l., same basis	lb.	.75	—
Pyridoxine hydrochloride, bots., 100-gram lots	gram.	.46	—
Pyrites, Canadian works	long-ton.	3.00	8.00
Pyrocatechol (see Catechol).			
Pyrogallol, NF, dms.	lb.	3.27	3.30
Pyroxylin, scrap, ungrd., amber, dms., works	lb.	.20	—
black, dms., works	lb.	.12	—
mixed, mottled, c'ms., works	lb.	.13	—
shavings, amber, cs., works	lb.	No stocks.	
mixed colors, dms., works	lb.	.11	—
white, china, ivory, dms., works	lb.	.16	—
dense, opaque, dms., works.	lb.	.12	.15
translucent pastels, cs., works.	lb.	.14	—
transparent colorless, dms., works	lb.	.25	—
colors, dms., works	lb.	.15	—
USP, bots	lb.	9.50	—

Q

Quassia chips	lb.	.17	—
Quebracho extract, clarif., grd., 70% tannin, bgs., c.l.,	lb.	.16½	.16¾
liq., 35% tannin, bbls., works.	lb.	.08¼	—
solid, clarif., 64% tannin, bgs., c.l., ex-dock, duty extra	lb.	.12 23/64	
ord., 63% tannin, bgs., c.l., same basis	lb.	.11 21/32	—
Quercitron extract, cryst., No. 1, bbls., l.c.l.	lb.	.40	—
liq., No. 1, bbls., l.c.l.	lb.	.19	—
Quicksilver (see Mercury metal).			
Quince seed, bgs	lb.	2.00	Nom.
Quinidine sulfate, USP, cns., 100-oz. lots	oz.	.87	—
Quinine, NF, cns., 100-oz. lots	oz.	.54	—
Bisulfate, USP, cns., 100-oz. lots.	oz.	.37½	—
Ethylcarbonate, NF, cns., 100-oz. lots	oz.	.63¼	—
Hydrobromide, NF, cns., 50-oz. cns.	oz.	.47½	—
Sulfate, USP, cns., 100-oz. lots	oz.	.42	—
Quinine and Urea hydrochloride, NF, cns	oz.	.56	—
Quinoline, dms., c.l., frt. equald	lb.	.50¾	—
l.c.l., same basis	lb.	.51¼	—
tanks, same basis	lb.	.50	—

R

R salt, paste, dms., frt. alld., 100% basis	lb.	.88	—
powd., frt. alld. 100% basis	lb.	.98	—
Rauwolfiia serpentina, root, powd., bbls. dms	lb.	2.00	3.00
Red, BON acid maroons, pure, bbls.,	lb.	1.75	—
resinated, bbls	lb	1.50	—
arylid, deep shades, bbls	lb.	8.60	—
light shades bbls	lb	2.75	—
maroon bbls	lb	3.60	5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies	lb.	4.30	—
light shade, bbls., same basis.	lb.	4.00	—
medium shade, bbls., same basis	lb.	4.25	—
medium light shade, bbls., same basis	lb.	4.05	—
orange shade, bbls. same basis	lb.	3.95	—
orange red, bbls., same basis.	lb.	1.81	—
Lithopone light red shades, bbls., same basis	lb.	2.01	2.16
medium light red shades, bbls., same basis	lb.	2.19	—
medium red shade, bbls., same basis	lb.	2.37	2.52
dark red shade, bbls., same basis	lb.	2.57	2.82
Red, cadmium, lithopone, maroon shade,, bbls., same basis.	lb.	2.82	3.05
dark maroon shade, bbls., same basis	lb.	3.02	—
Red cadmium lithopone all shades, in smaller pkgs., 5c per lb higher; all prices are 1c per lb higher ex whse Los Angeles and San Francisco			
Carmine No. 40 (see Carmine).			
Dyes (see Dyes, coaltar)			
Eosin toner, bbls, works	lb	1.60	—
Indian, dom., pure, bgs., Bethlehem, Easton, E St. Louis, N. Y	lb.	.12¾	—
Iron oxide, nat., 75-85% ferric oxide, bgs. l.c.l. Bethlehem Pa., Copley, O., Easton, Pa.,			
syn. 98%, ferric oxide, bgs., c.l., works	lb.	.12¾	—
l.c.l., works	lb	13	—
Lake C toner, alizarin bbls., works	lb.	1.10	1.20
Lithol toner, bbls., works	lb.	.85	—
rubine toner pure bbls. works.	lb	1.50	—
resinated, bbls., works	lb	1.40	—
Virginia type, bbls., works	lb.	1.40	—
Maroon toner, MNPT, kgs., c.l., works	lb	3.60	—
10,000-lb lots works	lb	4.22	—
smaller lots, works	lb	4.24	—
Metallic, bbls., c.l., works	lb.	02½	—
l.c.l., works	lb	02¾	—
Naphthol, ITR, bbls., works	lb.	5.25	—
Red oxide (see Red iron oxide).			
Persian Gulf bgs., c.l., works	lb	06¾	—
l.c.l works	lb.	07	—
Para toner, bbls	lb.	1.05	—
chlorinated, kgs	lb.	1.10	1.15
Phloxin toner (see Red eosin toner)			
Rhodamine, molybdated, PMA, kegs	lb	5.35	—
tungstated, PTMA works kegs	lb	6.15	—
Spanish oxide, bbls., c.l., ex dock,	lb.	.05¾	—
l.c.l., ex dock	lb.	09	—
ex whse., New York	lb	06½	—
Toluidine toner, deep shades, kgs., works	lb.	1.60	—
light shades kgs. works	lb	1.60	—
Turkey bbls., works	lb.	.62	—
Tuscan bbls frt equald	lb	24½	25
Venetian, 15%, bgs., works	lb.	.0350	.0037
20% bgs. works	lb	0475	—
25% bgs. works	lb	0525	—
30% bgs. works	lb	0550	—
35% bgs. works	lb	0575	—
40% bgs works	lb	0625	—
Watchung-type bbls	lb	1.95	—
Red KB base (see 4-Chloro-2-aminotoluene).			
Red, precipitate (see Mercuric oxide, red).			
Red saunders NF powd. bbls	lb	35	40
Reserpine cryst., bots	gram.	8.00	9.00
Resorcinol tech grade dms. c.l., works	lb.	77½	—
l.c.l., works	lb.	78½	—
Monoacetate, NF, dms	lb	3.00	3.25

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Rhatany Root—Sucrose

Rhatany root, bgs ..... lb. .15 - .16
Rhodinol, 5-lb. cans ..... lb. 25.50 - 34.00
Rhubarb root, India, whole, bgs lb. 1.75 - Nom.
powd., bbls ..... lb. 2.50 - Nom.
Riboflavin, USP, bots., dlvd. kilo. 80.00 - —
readily soluble hoids, dlvd kilo. 130.00 - —
5'-phosphate-sodium, bots., 100-kilo lots or more kilo. 140.00 - —
Rochelle salt (see Potassium sodium tartrate).
Rosin gum and wood (see Naval Stores in Protective Coatings market).
Rotenone fib dms., works, 100% basis lb. 10.00 - —
resin 25-45% fib dms., works, 30% basis lb. 3.00 - 3.30
Rottenstone ngs. 5-ton lots, exton lots same basis lb. .03 - —
lb. .04 - —
Rutin, NF fib dms 25-kilo lots, kilo. 17.50 - 18.50
10 to 25-kilo lots kilo. 17.50 - 20.00
1 to 10-kilo lots kilo. 18.90 - 20.00
Ryania, 100% powd., bgs., c.l., works lb. .22 - —
lb. .24 - —
l.c.l. same basis

S

Sabadilla seed powd. obls lb. 49 - 49¾
activated, ground with lime, bbls lb. 30 - .32
Saccharin, USP, cryst., soluble, dms., 1000 lb lots lb. 1.60 - —
lb. 1.70 - 1.80
smaller lots works lb. 7½ - —
l.c.l., works lb. 7¾ - —
USP, cryst., dms., works lb. 2.75 - —
powd., dms works lb. 2.95 - —
powd., soluble insoluble dms 1000 lb. lots lb. 1.65 - —
lb. 1.75 - 1.95
smaller lots lb. 35.00 - 40.00
Saffron, Spanish USP, tins lb. 1.60 - —
Safrol, dms lb. .13 - —
Sage, Cretan, bgs lb. .42½ - —
Dalmatian, bgs. lb. .25 - —
Italian lb. .07 - .07¼
Sago flour, raw, bgs lb. .08½ - .09
refd., bgs lb. —
Sal soda (see Soda sal)
Salicylamide, 100-lb. dms lb. 1.00 - —
Salol, NF, gran., bbls., kgs lb. 1.15 - —
Powdered salol 25c higher
Salt, rock, paper bgs., c.l 100 lbs. 1.01 - —
table, vacuum, common, fine, paper bgs., c.l 100 lbs. 1.19 - —
Saltcake dom. bulk works, 100% Na_2SO_4 basis ton 28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies chips bgs. lb. .65 - .66
powd., fib dms lb. .75 - .76
Sarsaparilla root, imp., Honduras, bls lb. .58 - .62
lb. .58 - .62
Mexican, bls. lb. —
Sassafras root bark ord., bls lb. .45 - —
select, bbls. lb. .65 - —
Schaeffer's salt paste, dms. frt. alld 100% basis lb. .95 - —
powd. bgs., frt. alld., 100% basis. lb. .95 - —
Scopolamine hydrobromide, USP bots. oz. 17.40 - —
Seidlitz mixture, bbls. 5,000-lb. lots lb. 30½ - —
lb. 31 - 39
smaller lots 9.00 - 10.50
Selenium, powd., dms., dlvd. lb. 3.10 - —
Senega root, bls —
Senna leaves, Alex., whole and half, bls lb. .19 - —
lb. .17 - —
siftings lb. .16 - .18
Tinnevelly, No. 1, bls lb. .13 - .15
No. 2, bls. lb. .11 - .13
No. 3, bls. lb. .18 - —
powdered, bbls., bxs lb. .14 - —
pods, bls lb. 5.50 - —
Serpentaria, root, bls lb. .16½ - —
Sesame seed, Egyptian, nat lb. .21 - —
hulled lb. .27 - —
Nicaragua, huller, shipt., bgs lb. No prices.
nat., bgs. lb. .17½ - —
Salvadorian, natural lb. .16 - —
Syrian, bgs., natural —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .61 - —
bbls., 1,500-lb. lots lb. .63 - —
kgs., 1,500-lb. lots lb. .64 - —
refd., bgs., 1,500-lb. lots lb. .69 - —
bbls., 1,500-lb. lots lb. .71 - —
kgs., 1,500-lb. lots lb. .72 - —
Bonedry shellac prices for less than 1,500 lb lots 1c per lb higher for all packages.
Lemon No. 1, bgs., 10-bg. lots. lb. .55 - .56
No. 2, bgs., 10-bg. lots lb. .53 - .54
Superfine bgs., 10-bg. lots lb. .50 - .51
TN, bgs., 10-bg. lots lb. .49 - .50
Shellac in 1 to 10-bg. lots 1c per lb more.
Shingle stain oil (see Oil, shingle stain).
Silica amorph., dry-grd., 325 mesh, bgs., c.l., works ton 25.00 - —
l.c.l., works, exwhse ton 45.00 - 55.00
hard-quartz, 99½, 325 mesh, bgs. c.l., works ton 20.00 - —
ton 25.00 - 30.00
l.c.l., works —
140 mesh, bgs., c.l., works ton 15.00 - —
l.c.l., works ton 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .18 - —
l.c.l., works lb. .22 - .30½
tanks, works lb. .17 - —
Silver bullion, ingots, cs. Troy oz. .90½ - —
Cyanide, fib. dms., 2,500-oz. lots. oz. .82¼ - —
1,000-oz. lots oz. .82¾ - —
500-oz. lots oz. .83 - —
100-oz. lots —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .58½ - —
1,000-oz. lots lb. .60 - —
500-oz. lots lb. .60¼ - —
250-oz. lots lb. .60¾ - —
USP granular silver nitrate 4c. per oz higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong NF bots. dms. 1,000-oz. lots oz. 1.00 - —
Soapbark, whole, bls lb. .45 - —
crushed, bls., bbls lb. .55 - —
powd., bbls lb. .55 - —
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.80 - —
l.c.l., stock points 100 lbs. 2.90 - 4.67
bbls., c.l., works 100 lbs. 2.40 - —
l.c.l., stock points 100 lbs. 3.55 - 4.22
bulk, c.l., works 100 lbs. 1.50 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., stock points 100 lbs. 3.85 - 4.62
bbls., c.l., works 100 lbs. 2.30 - —
l.c.l., stock points 100 lbs. 2.35 - 5.62
bulk, c.l., works 100 lbs. 1.45 - —
Soda, caustic, flake, 76%, dms., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., stock points 100 lbs. 5.60 - —
liq., 50%, sellers, tanks, works, dry basis 100 lbs. 2.80 - —
rayon type, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.90 - —
rayon-type, sellers tanks, works, dry basis 100 lbs. 2.90 - —
solid, 76%, dms., c.l., works, 100 lbs. 4.10 - —
l.c.l., stock points 100 lbs. 5.30 - —
Sal., conc., bgs., c.l., works 100 lbs. 2.30 - —
smaller lots, works 100 lbs. 2.60 - —
Sodium acetate anhyd. bgs. c.l., works lb. .13 - —
dms., c.l., works lb. .13¾ - —
NF, 60% gran., dms., c.l., works lb. .14 - —
l.c.l., works lb. .15½ - —
Alginate, NF, white powd., dms., ton lots, works lb. .87 - 1.30
refd., bbls., works lb. .83 - —
p-Aminobenzoate, dms., 1,000-lb. lots or more lb. 2.40 - —
lb. 2.45 - 2.50
smaller lots
p-aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted lb. 3.75 - —
smaller lots same basis lb. 3.80 - 4.25
Antimoniate, bbls., c.l., dlvd. E. lb. .28 - —
lb. .29½ - —
l.c.l., dlvd E lb. .12½ - —
Arsenate, dms., c.l., works lb. .13¾ - .14¾
l.c.l. works lb. .12¼ - —
Arsenite, dms., c.l., works lb. .13 - .14½
l.c.l., works gal. .59 - .67
soln., dms works
Ascorbate, dms., 25-50 kilo lots kilo. 16.00 - —
kilo. 16.35 - —
10-kilo lots kilo. 16.75 - —
5-kilo lots kilo. 17.00 - —
1-kilo lots kilo. 17.50 - —
lots 500-gram lots
Benzoate, tech., bbls., dms., 100-lb. lots or more lb. .39 - —
USP, bbls., dms. 100-lb. lots or more lb. 46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.55 - —
powd., bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 3.15 - —
Bichromate, bgs., c.l., works lb. .12¼ - —
l.c.l., works lb. .12¾ - .13¾
Bifluoride bbls., c.l. works, frt. equaled lb. .18½ - —
l.c.l., same basis lb. .1890 - —
Bisulfate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l. frt equald 100 lbs 3.00 3.60
l.c.l., frt. equald 100 lbs 3.50 4.10
Bisulfite, anhyd., bgs., c.l., works, 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - —
soln. 65 bbls. c.l. works 100 lbs 1.55 - —
l.c.l. works 100 lbs 2.05 - —
Borate (see Borax)
Bromide, USP, bbls., works lb. .36 - —
Carboxymethyl cellulose (see CMC).
Carbonate, cryst., monohydrated (see Soda, sal).
Carbonate, cryst., monohydrated bgs. c.l. works 100 lbs. 3.00 - —
l.c.l., works 100 lbs 3.40 - —
Chlorate, cryst. dms., c.l., works, lb. .09 - —
l.c.l., works lb. .10½ - .11¼
Chloride, tech (see Salt) USP bgs lb. .05 - .12
Chlorite, tech., dms., c.l., works, lb. .58 - —
20-ton lots or more works, lb. .66 - —
smaller lots works lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .27 - —
lb. .28 - —
l.c.l. works lb. .13½ - —
Chromate, dms., c.l., works lb. 13¾ - 15
l.c.l., same basis lb. .62 - —
Citrate, anhyd., dms lb. .27½ - .27½
NF VIII, gran., dms lb. .29½ - .30½
USP, XIV gran., dms prices ½c
Sodium citrate USP, powd. higher
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
lb. 1.00 - 1.25
smaller lots, works
Cyanide flake, 96-98% dms., c.l., or 20,000-lb lots lb. .178 - —
over 1,000-lb lots lb. 188 - —
100-lb to 1,000 lb lots lb. 198 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .15 - —
l.c.l., works lb. .15¾ - —
anhyd., dms., c.l., works lb. .18 - —
l.c.l., works lb. 18¾ - —
Dichromate (see Sodium bichromate)
Ferrocyanide, bgs., 10-ton lots. lb. .13½ - —
lb 14 - —
smaller lots
Fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1390 - —
l.c.l., works lb. .1430 - —
Formate, bgs., c.l. works 100 lbs 8.65 - —
l.c.l. works lb 9.50 - —
Gentisate, 100-lb fib dms lb .80 - .83
Gluconate, refd., cms lb .95 - —
tech, dms lb. 1.55 - —
Glutamate, mono., dms., c.l. lb. 1.80 - 3.00
Hydride, dms., works
Hydrosulfide (see Sodium sulfhydrate)
Hydrosulfite, dms., c.l., frt. alld. lb. .22 - —
l.c.l., frt. alld lb. .22½ - —
Hydroxide, tech. (see soda caustic).
NF, pellets, 100-lb. dms., 1 to 100-dm. lots lb. .18½ - .23
Hypophosphite, NF, dms., ton-lots or less lb. .95 - .98
Hyposulfite, NF (see Sodium thiosulfate)
pea crystals, bgs 100-lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works, 100 lbs. 4.50 - 4.75
l.c.l., works 100 lbs. 5.00 - 5.05
tech., bgs., works 100 lbs. 4.50 - —
l.c.l. works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c. higher.
Iodide, USP, bots., dms lb. 2.55 - 2.62
Lactate, edible, 50% chys., dms., works lb. .21½ - —
60% chys. dms works lb. .20½ - —
tech., 50% chys. dms., works, lb. 16¼ - —
Lauryl sulfate, dms., c.l., dlvd lb. .21 - —
l.c.l., dlvd lb. .22 - —
tanks, dlvd lb. .16½ - —
Metabisulfite (see Sodium bisulfite)
Metaborate, octahydrate, gran., bgs., c.l. ton 135.00 - 140.50
l.c.l., ex whse ton 135.50 - 140.50
sodium metaborate octahydrate in bbls, $24.50 per ton higher.
Tetrahydrate, dms., c.l. works, ton 204.00 - —
Sodium, metallic bricks, 14,000-lb. lots or more, works lb. .17 - .19
less than 14,000-lb. lots, works, lb. .175 - .195
tanks, works lb. .16 - —
Metanilate, bbls., frt. alld. lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.10 - —
l.c.l., works 100 lbs. 5.45 - 7.35
dms., c.l. 100 lbs. 5.50 - —
l.c.l. 100 lbs. 5.85 - 7.75
Pentahydrate, bgs., c.l., works, 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.45 - 6.35
dms., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.10 - 5.85
Molybdate, bbls., cbys., works lb. .85 - .95
anhd., cryst., dms., works lb. .70 - —
powd., dms., works lb. .85 - .92
Monohydrate (see Sodium carbonate monohydrated).
Naphthionate bbls lb 70 - —
Nitrate, crude, dom., bgs., c.l., works ton 47.00 - —
bulk c.l. works ton 43.50 - —
imp. 100-lb bgs., c.l., Atl. Gulf, Pac. whse ton 51.25 - —
bulk c.l. same basis ton 47.75 - —
Nitrite, USP, bbls., c.l., works, frt. equaled lb. .08 - —
l.c.l., same basis lb. .09½ - —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.00 - 6.30
100 lbs. 6.35 - 6.95
l.c.l., works
hydrated, flake, bbls., c.l., works 100 lbs 5.25 - —
100 lbs. 7.00 - —
l.c.l., works
Oxalate, 88%, bgs., works 100 lbs. 10.85 - —
Para-aminobenzoate (see Sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½ - —
l.c.l. same basis lb. .26½ - .28½
pellets bgs. c.l. same basis lb. .25 - —
l.c.l. same basis lb. .26 - .28
powd., bgs., dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .25½ - .32
Pentachlorophenate, 20,000 lbs., min truckloads, ¼c per lb over carlot prices.
Perborate, NF, tech., bgs., c.l., works lb. .173 - —
l.c.l., works lb. .178 - —
Peroxide, dms. c.l. dlvd. E. of Mass lb. .1860 - —
lb. .1910 - 1960
l.c.l. same basis
Phenosulfonate, USP 1X, gran., dms lb. .44 - .45
powd. dms lb. 47 - 48
Phosphate, dibasic, anhyd., bgs., c.l., frt. equald 100 lbs. 7.45 - —
l.c.l. works 100 lbs 7.85 - —
USP dried powd. bgs., dms., works lb. .19 - .20½
monobasic anhyd. bgs. c.l. frt. equald 100 lbs. 8.50 - —
l.c.l. frt equald 100 lbs 8.90 - —
dihydrate bgs. c.l. frt. equald 100 lbs. 7.20 - —
l.c.l., frt. equald 100 lbs. 7.60 - —
tribasic, anhyd., bgs., c.l., frt. equald 100 lbs. 8.45 - —
l.c.l. frt. equald 100 lbs. 8.85 - —
cryst., bgs., c.l., t.l., frt. equald 100 lbs. 4.20 - —
l.c.l., frt. equald 100 lbs 4.60 - —
Sodium phosphates in dms. 60c. higher than bgs
Prussiate, yellow (see sodium ferrocyanide)
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.60 - —
l.c.l., works 100 lbs. 11.35 - —
ferric, dms., 1,500-lb. lots, works lb. .38½ - —
smaller lots, works lb. .41½ - .43½
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.37½ - —
l.c.l., frt. equald 100 lbs. 7.77½ - 74
Salicylate, USP, dms lb. .71 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 2.25 - —
l.c.l., dlvd., zone 1 100 lbs. 4.00 - 4.25
zone 2 100 lbs. 4.25 - 4.50
zone 3 100 lbs. 4.65 - 4.80
zone 4 100 lbs. 5.25 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 93° Ga.; Iowa (except Davenport), Minn., Mo. (except St. Louis), Neb., N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); Utah, Wyo. and El Paso, Tex.
Sesquisilicate, hydrated, bgs., c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 4.95 - 5.35
dms. c.l. works 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 6.95 - 7.20
Silicate, liq., 40° Be., 1:3.2, turbid, dms. c.l., works 100 lbs. 1.35 - —
l.c.l. works 100 lbs. 1.70 - 2.20
tanks, works 100 lbs. 1.00 - —
47° Be, turbid, 1:2.9, dms., c.l., works 100 lbs. 1.95 - —
l.c.l., cms., works. 100 lbs. 2.55 - 2.80
100 lbs. 1.60 - —
tanks, works
52° Be, turbid, 1:2.4, dms., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 2.65 - 3.15
tanks works 100 lbs 1.95 - —
solid, 1:3.2, bgs., works ton 57.50 - —
Silicofluoride, bgs., c.l., works lb. .075 - —
l.c.l., works lb. .079 - —
Sodium silicofluoride in dms., 4-10c higher
Stannate, dms., works, frt. alld. E lb. .616 - .670
Sulfa drugs (see Sulfa name)
Sulfanilate, bbls., works lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22½ - —
tech. anhyd. bgs. c.l. dlvd., E ton 52.00 - —
detergent grade, bgs., c.l., works ton 34.00 - —
rayon grade, bgs., c.l., works. ton 31.00 - —
USP cryst fib dms lb. .17½ - .18
gran. fib dms lb. .17½ - .18
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼ - —
l.c.l., same basis lb. .05¾ - —
fused, bbls. c.l. works, E., frt. equald lb. .04¾ - —
l.c.l. same basis lb. .05¼ - —
Sulfite, anhyd., bgs., c.l. 100 lbs. 3.00 - —
c.l. same basis 100 lbs. 3.50 - —
powd., bbls., c.l., works 100 lbs. 7.25 - —
l.c.l. works 100 lbs. 7.50 - —
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½ - —
l.c.l., works lb. .07 - —
liq. 40-44%, tanks, works, 100% basis ton 110.00 - 115.00
Sodium sulfocyanide, CP (see Sodium thiocyanate).
Tetraborate (see Borax).
Tetrasulfide, liq., 40%, dms., c.l., works lb. .03½ - —
lb. .04 - —
l.c.l., works
Thiocyanate, CP, dms. lb. .55 - .65
tech., anhyd., 1 ton lots or more, works lb. .317 - —
less than ton lot, works lb. .337 - —
Thiosulfate, NF, cryst., bbls lb. .12½ - —
tech (see Sodium hyposulphite).
Titanate, etns., c.l., works lb. .10½ - —
5-ton lots, works lb. .10¾ - —
1-ton or less, works lb. .11 - —
Toluene sulfonate, dms., c.l., or t.l. lb. .38 - —
l.c.l. lb. .42 - —
Trichloracetate, 90%, 100-lb. dms., c.l., frt. alld. E lb. .37½ - —
l.c.l., frt. adjusted, E lb. .39½ - —
50-lb. dms., c.l., frt. alld E lb. .38 - —
l.c.l., frt. adjusted E lb. .40 - —
10-lb. cns., c.l., frt. alld. E. lb. .44 - —
l.c.l., frt. adjusted E lb. .46 - —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c per pound higher
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.72½ - —
l.c.l. same basis 100 lbs 8.12½ - —
Trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs 8.65 - —
l.c.l. works 100 lbs 9.40 - 9.80
dms., c.l. works 100 lbs 9.05 - —
l.c.l. works 100 lbs 9.80 - 10.20
Tungstate, tech., kgs., dlvd. E lb. 2.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
l.c.l., same basis lb. .21½ - —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works lb. .28 - —
smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, frt. equald gal. .31 - .35
petroleum (see Petroleum solvents, partial aromatic).
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works lb. .32 - —
10,000 to 20,000-lb lots, works, lb. .34 - —
smaller lots, works lb. .37 - .39
Tristearate fib. dms. 20,000-lb. lots works lb. .33 - —
10,000 to 20,000-lb lots works. lb. .35 - —
smaller lots works lb. .38 - .40
Sorbitol, cryst., resin grade, pellets, dms., c.l., works lb. .23 - —
1 to 3-ton lots, works lb. .25 - .26
powd., dms., 1- to 5-ton lots, works. lb. .38 - .39
soln., coml., aqueous, dms., c.l., works lb. .24¼ - —
lb. .25 - —
ton lots works lb. .25¼ - —
smaller lots, works lb. .23¼ - —
tanks, works
reg., 70%, aqueous, dms., c.l., works lb. .16 - —
ton lots works lb. .16¼ - —
smaller lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44%, bulk, Decatur. ton 51.50 - —
protein chemically isolated, bgs., c.l., works lb. .23 - —
mechanically refd., bgs., l.c.l., works lb. .066 - —
oz. .80 - .85
Sparteine sulfate, cns lb. .75 - —
Spearmint leaves, dom. bls lb. —
Spruce extract, liq., reg. tanks, works lb. .01¾ - —
powd. super. bgs., c.l., works. lb. .05¼ - —
l.c.l. works lb. .05½ - —
Squill, white, bls lb. .16 - .18
powd., bbls., bxs lb. .17 - .20
St. John's bread, edible, bls lb. .13 - .15
Stannic chloride, anhyd., dms., works lb. .802 - .842
Oxide, dms., dlvd. E lb. 1.10 - 1.11
Stannous chloride, anhyd., dms., works lb. .909 - 1.177
Hydrous, cryst., dms., works. lb. .84½ - .85½
Sulfate, dms., works lb. 1.022 - 1.042
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.13 - —
l.c.l. 100 lbs. 7.28 - —
powd., paper bgs., c.l. 100 lbs. 7.25 - —
l.c.l. 100 lbs. 7.40 - —
Prices for corn starch in cotton bags, 25c. per 100 lbs. higher.
Potato, dom., Idaho, bgs., c.l., works lb. .06 - —
Maine, bgs., c.l., works lb. .05¾ - —
ex whse, N. Y. lb. .08 - .08¼
Rice, bgs., l.c.l. lb. .15½ - .16
Wheat bgs. lb. .0735 - 0780
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed, bgs lb. 60 - .61
Stearine oleo (see Oleostearine).
Stomach substance, not USP, 100-lb. fib. dms lb. 2.80 - —
Stramonium leaves, bgs lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .063 - .07
Strontium bromide, NF, cns., dms. lb. .75 - .84
Carbonate pure, dms., 5-ton lots or more, works lb. .35 - —
1-ton lots, works lb. .37 - —
tech., dms., works lb. .19 - —
Chromate, bbls., works lb. .46 - —
Iodide, jars, 25-lb. lots lb. 3.42 - —
Nitrate, bbls., c.l., works 100 lbs. 11.00 - —
l.c.l., works 100 lbs. 12.00 - —
Salicylate, NF, dms lb. 1.75 - —
Sulfate, air floated, 90%, 325 mesh, bgs., works ton 56.70 - 66.15
oz. 25.00 - 25.50
Strophanthin, K, bots
G. (see Ouabain, USP).
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Strychnine NF powd. cns., 10-oz. lots oz. 1.10 - —
Phosphate, NF cns., 100-oz. lots oz. 1.14 - —
Sulfate USP, cryst., cns., 25-oz. lots oz. .96 - —
oz. .85 - —
powd. 100-oz. lots lb. 78 - 80
Styrax, USP (see Storax).
Styrene monomer, polymer grade, 99½%, dms., c.l., frt. alld. lb. .22½ - —
l.c.l., same basis lb. .23½ - —
tanks, same basis lb. .20½ - —
synthetic rubber grade 99%, dms., c.l., frt. alld lb. .19 - —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .17 - —
Styrolyl acetate, bots lb. 1.45 - 1.70
Sucrose, crude, bgs., dlvd., N. Y. lb. .0555 - —
refd., white, bgs., refy., E lb. .0855 - —
Octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works lb. .76 - —

Sugar (see Sucrose, crude, refined).			
Sulfabenzamide, dms	lb.	4.00	- 4.50
Sodium, dms	lb.	4.10	- 4.60
Sulfacetamide, fib. dms	lb.	4.00	- 4.20
Sodium fib. dms	lb.	5.00	- 5.20
Sulfadiazine, USP, microcrystals, dms	lb.	10.60	-11.10
powd., dms	lb.	10.25	-10.75
Sulfadiazine-sodium, USP, dms	lb.	11.25	-11.75
microcrystals, dms	lb.	11.60	-12.10
Sulfaguanidine, USP, dms	lb.	2.50	- —
Sulfamerazine, USP, microcrystals	lb.	10.65	-11.15
Sulfamerazine-sodium, USP, dms	lb.	11.25	-11 75
Sulfamethazine, microcrystals, dms	lb.	8.90	- 9.40
powd., dms	lb.	8.50	- 9.00
Sulfanilamide, USP, 30-80 mesh., dms	lb.	1.40	- 1.60
microcrystals, dms	lb.	1.70	- 1.90
powd., dms	lb.	1.30	- 1.50
Quinoxaline, veterinary, dms	lb.	6.40	- 6.75
Sulfapyridine, NF, powd., bots., tins,	lb.	7.00	- 7.50
Sulfapyridine-sodium, monohydrate, dms	lb.	7.50	- 8.00
Sulfathiazole, USP, microcrystals, dms	lb.	2.85	- 3.00
powd., dms	lb.	2.50	- 2.65
Sulfathiazole-sodium, USP, dms	lb.	2.75	- 2.90
Sulfur, coml. flour, bgs., mines	100 lbs.	2.30	- —
bbls., mines	100 lbs.	3.05	- —
lump, bgs., mines	100 lbs.	2.20	- —
bbls., mines	100 lbs.	2.65	- —
crude, bulk, c.l., mines, contract,	long-ton.	26.50	- —
export, t.o.b. vessels, Gulf ports	long-ton.	31.00	-33.00
domestic and Canada, f.o.b. vessel Gulf port	long-ton.	28.00	-29.50
refd., flowers, USP, bgs., mines	100 lbs.	4.00	- —
bbls.	100 lbs.	5.25	- —
flour, light, bgs., mines	100 lbs.	3.60	- —
bbls., mines	100 lbs.	4.50	- —
lump, bgs., mines	100 lbs.	3.30	- —
rolls, bgs., mines	100 lbs.	3.85	- —
bbls., mines	100 lbs.	4.40	- —
salt block, bgs. mines	100 lbs.	3.50	- —
virgin block, bbls., mines	100 lbs.	3.45	- —
rubbermakers, coml., reg., bgs., mines	100 lbs.	2.40	- —
bbls., mines	100 lbs.	3.55	- —
98-100% passing through 325 mesh, bgs., mines	100 lbs.	2.50	- —
bbls., mines	100 lbs.	3.65	- —
refd., bgs., mines	100 lbs.	3.25	- —
bbls. mines	100 lbs.	4.30	- —
treated, 2.5% mineral oil, bgs., mines	100 lbs.	2.70	- —
bbls., mines	100 lbs.	3.85	- —
10% pine tar, bgs., mines.	100 lbs.	3.90	- —
Dichloride dms., c.l., works, frt. equald	lb.	.04	- —
l.c.l. same basis	lb.	.04¾	- —
tanks, same basis	lb.	.03¾	- —
Dioxide, liq., coml., cyls., works, frt. equald	lb.	.10	- .12
multi unit cars, works	lb.	.0535	- —
tanks, works	lb.	.045	- —
refrigeration, cyls., dlvd	lb.	.27	- —
Monochloride, 55-gal., dms., c.l., frt. equald	lb.	.04	- —
l.c.l., same basis	lb.	.04¾	- —
tanks, same basis	lb.	.03¾	- —
Sumac leaves, 28%, bgs., ex-dock,	ton.	132.00	- —
ground, bgs., ex-dock	ton.	127.00	- —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto., unit-ton.		.88	.91
Carteret, N. J. unit-ton.		.83	- .91
triple 48% or more, a.p.a., pulv., bulk c.l., East Tampa, Fla. unit-ton.		.98	- —

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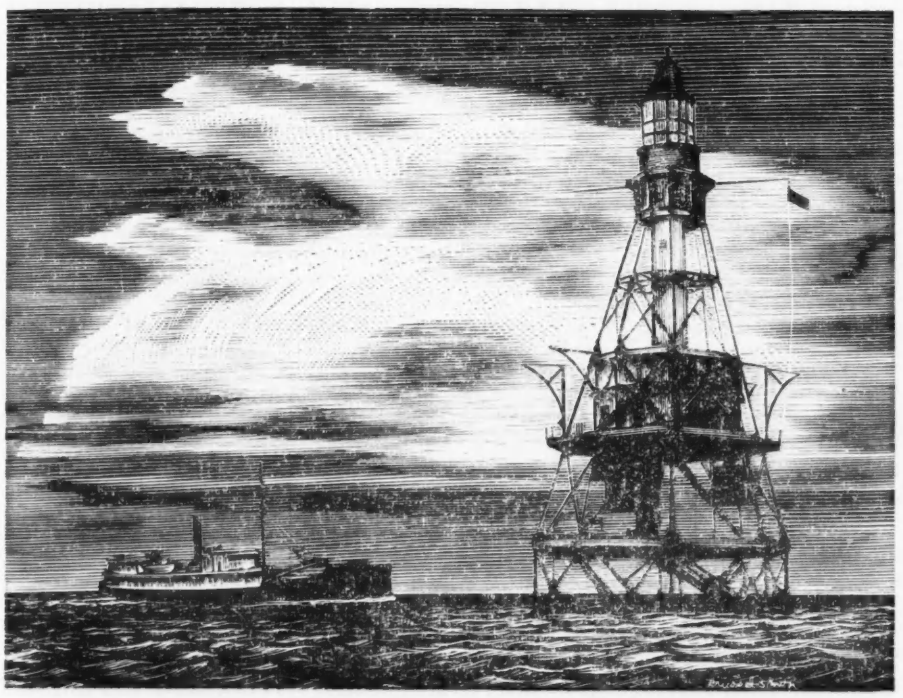
2,4,5-T, dms., c.l., works, frt. equald.	lb.	1.25	- —
l.c.l., same basis	lb.	1.30	2.30
Isopropyl ester, dms., c.l., works, frt. equald	lb.	1.30	- —
l.c.l., works	lb.	1.35	- —
Talc, dom., ord., Calif., grd., bgs., c.l., works	ton.	32.00	-38.50
Vermont off color grd., bgs., c.l., works	ton.	18.40	- —
l.c.l., works	ton.	36.00	- —
fibrous, New York, grd., bgs., c.l., works	ton.	27.00	- —
l.c.l., works	ton.	30.00	-35.00
99.5%, 325 mesh, bgs., c.l., works	ton.	30.00	- —
l.c.l., works	ton.	33.00	- —
99.95% micronized, bgs., works	ton.	37.00	- —
imp. Canadian, grd., bgs., c.l., mines	ton.	20.00	35.00
Tallow, edible, tanks, dlvd	lb.	.09½	Nom.
inedible, extra, tanks, dlvd	lb.	.08¼	- —
fancy, bleachable, tanks, dlvd.,	lb.	.08¾	- —
guaranteed, dms., f.a.s.	lb.	.09¼	- —
No. 1, tanks, dlvd	lb.	.07½	- —
special tanks, dlvd	lb.	.07⅜	- —
sulfonated, 25%, bbls., l.c.l.	lb.	.08¾	- .09
50%, bbls., l.c.l.	lb.	.09¾	- .10¼
Tankage, animal, teeding, 9-11% ammonia, bulk	unit-ton.	4.50	- —
Chicago, bulk	unit-ton.	4.75	- —
Tapioca flour, Brazilian, bgs., ex whse	lb.	.07¾	- .08¼
Siamese, top grade, bgs., ex whse	lb.	.07½	- .07¾
Tar acid oil, 15-18%, dms., c.l., frt. equald	gal.	.47	- .49
l.c.l., same basis	gal.	.50	- .51
tanks, same basis	gal.	.39	- —
25-28% dms. c.l., same basis.	gal.	.54	- .56
l.c.l., same basis	gal.	.57	- .58
tanks, same basis	gal.	.46	- —
50-53%, dms., c.l., same basis.	gal.	.70	- .72½
l.c.l., same basis	gal.	.73½	- .74½
tanks, same basis	gal.	.62½	- —
Coal (see Coaltar)			
Tartar emetic (see Antimony-potassium tartrate)			
Terpine glycol ether, dms., c.l., works	lb.	.23½	- —
l.c.l., works	lb.	.25½	- —
tanks, works	lb.	.22	- —
Hydrate, NF, cryst., powd., fib. dms	lb.	.67½	- .74
Terpineol, dms., l.c.l, dlvd. E	lb.	.20¾	- —
extra, dms	lb.	.41	- .60
prime, dms	lb.	.30	- .45
Terpinyl acetate, extra, cns., dms.	lb.	.60	- .75
prime, dms	lb.	.55	- .70
Propionate, dms	lb.	1.75	- 2.00
Terra alba (see Gypsum).			
Testosterone, USP, 100-gm. lots, bots	gram.	.70	- —
Propionate, USP, 100-gm. lots, bots	gram.	.68	- —
Tetrachloroethane, dms., works	lb.	.14½	- —
Tetrachloroethylene, tech (see Perchloroethylene).			
USP 55 gal. dms., works	lb.	.20½	- .21½
smaller dms., works	lb.	.23½	- .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E	lb.	.61½	- —
l.c.l., dlvd. E	lb.	.62½	- —
Pyrophosphate, 40%, cns., dms., frt. equald	lb.	.69	- —
Tetraethylenepentamine, dms., c.l., dlvd. E	lb.	.49	- —
l.c.l., dlvd. E	lb.	.50	- —
tanks, dlvd. E	lb.	.47	- —
Tetrahydrofuran, dms., c.l., or t.l., works	lb.	.36½	- —
l.c.l., or l.t.l., works	lb.	.37	- —
tanks, works	lb.	.35	- —
Tetrapotassium phosphate (see Potassium phosphate).			
Tetrasodium pyrophosphate (see Sodium pyrophosphate).			
Thallium metal, dlvd	lb.	12.50	-15.00
Sulfate, 99%, bots., dlvd	lb.	8.00	-13.00
Theobromine, NF, fib. dms	lb.	4.00	- —
And sodium acetate, USP, fib. dms	lb.	4.20	- —
Sodio-Salicylate, NF, fib. dms	lb.	3.50	- —
Theophylline, anyhd. or USP, 100-lb. dms	lb.	3.65	- —
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms.	kilo.	80.00	- —
Mononitrate, USP, fib. dms	kilo.	80.00	- —
Thiocarbanilide, dms., ton lots	lb.	.72	- —
less tons lots	lb.	.74	- —
Thiodiphenylamine (see Phenothiazine).			
Thiourea, tech., dms., c.l., frt. alld.	lb.	.36	- —
l.c.l., works	lb.	.38	- —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works	lb.	3.50	- —
dl-Threonine, bots., 1-kilo lots.	kilo.	450.00	-500.00
Thyme leaves, French, bgs.	lb.	.19	- .22½
Spanish, bgs.	lb.	.09	- —
Thymol, fib. dms	lb.	2.25	2.35
Iodide, NF, dms	lb.	7.30	- —
Timbo root (see Cube root)			
Tin chloride (see Stannous chloride, anhydrous)			
crystals (see Stannous chloride, hydrous)			
Metal (Straits)	lb.	1.09¼	- —
Oxide (see Stannic oxide).			
Sulfate (see Stannous sulfate).			
Tetrachloride anhyd. (see Stannic chloride, anhydrous).			
Titanium dioxide anatase, chalk-resistant, bgs., c.l., dlvd	lb.	.22½	- —
l.c.l. dlvd.	lb.	.23½	- —
ceramic, bgs., c.l., dlvd	lb.	.22½	- —
l.c.l., dlvd.	lb.	.23½	- —
reg., bgs., c.l., dlvd	lb.	.22½	- —
l.c.l., dlvd	lb.	.23½	- —
metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla.	ton.	120.00	- —
Niagara Falls, N. Y., c.l.,	ton.	137.50	- —
5-ton lots	ton.	142.50	- —
ton lots	ton.	147.50	- —
rutile, nonchalking, bgs., c.l., dlvd. E	lb.	.24½	- —
l.c.l., dlvd. E	lb.	.25½	- —
Milled titanium dioxide per ton higher		$7.50	
Hydride, cns., works	lb.	7.95	9.00
Pigment, calcium-rutile base, bgs., c.l., dlvd	lb.	.08¾	- —
l.c.l. dlvd	lb.	.08¾	- —
Tetrachloride, tech., dms., c.l., works	lb.	.40¾	- —
l.c.l. works	lb.	.43¾	- —
tanks, works	lb.	.39¾	- —
dl-a-Tocopherol, bots	kilo.	149.65	- —
Acetate, bots	kilo.	136.00	- —
o-Tolidine base, dist., kgs	lb.	1.30	- —
Tolu balsam, cns.	lb.	4.25	4.50
Toluene (see Toluol).			
p-Toluenesulfonamide, powd., dms., works	lb.	.70	- —
m-Toluidine, dms., c.l., works, frt. alld	lb.	.79	- —
l.c.l., same basis	lb.	.80	- —
tanks, same basis	lb.	.78	- —
o-Toluidine, dms., c.l., works, frt. alld	lb.	.23	- —
l.c.l., same basis	lb.	.24	- —
tanks, same basis	lb.	.22	- —
p-Toluidine, flake, dms., frt. alld	lb.	.64	- —
solid, dms. frt alld	lb.	.60	.61
Toluol, coaltar, indust or nitration, tanks, works:—			
Bethlehem, Pa.	gal.	.34	- —
Birmingham dist	gal.	.32	- —
Chicago dist	gal.	.33	- —
Cleveland dist.	gal.	.32	- —
Geneva, Utah	gal.	.26	- —
Johnstown, Pa.	gal.	.32	- —
Lackawanna, N. Y.	gal.	.33	- —
Lone Star, Tex.	gal.	.33	- —
Lorain, Ohio	gal.	.32	- —
Middletown, Ohio	gal.	.33½	- —
Minnequa, Colo.	gal.	.32	- —
Philadelphia district	gal.	.34	- —
Pittsburgh dist	gal.	.32	- —
Sparrow's Point, Md	gal.	.34	- —
Terre Haute, Ind	gal.	.35	- —
Youngstown, Ohio	gal.	.32	- —



FAMOUS LIGHTHOUSES OF AMERICA

FOWEY ROCKS LIGHTHOUSE is situated on the outer reefs 11 miles southeast of Miami, Florida. Built in 1878, it is of iron pile construction and stands in 4 feet of water with the light itself 110 feet above water. Fowey Rocks Lighthouse is one of a series of great offshore lighthouses that have made navigation safer and helped to eliminate an infamous wrecking industry that once thrived along the dangerous Florida Reefs.

Greater Safety and true guidance in the use of electrochemical products have always been important factors in the service Niagara Alkali Company offers to its customers. You can always depend on the quality of Nialk® Liquid Chlorine, Nialk Caustic Potash, Nialk Carbonate of Potash, Nialk Paradichlorobenzene, Nialk Caustic Soda, Nialk TRICHLORethylene, Niagathal® (Tetrachloro Phthalic Anhydride).

NIAGARA ALKALI COMPANY

60 East 42nd Street

New York 17, N. Y.

Toluol, petroleum, indust., 2°, tanks, works:—Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .33 - —
Detroit, Mich. gal. .35 - —
Houston, Tex. gal. .33 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .25 - —

2,4-Tolylenediamine, cryst., fib. dms., c.l., frt. alld lb. .91 - —
l.c.l., frt. alld lb. .94 - —
powd., fib. dms., same basis lb. .94 - —
Tonka beans, Angostura, cks lb. 1.65 - 1.80
Brazilian, Surinam, cs lb 1.00 1.25
Totaquine, 100-oz. lots, cns oz. .42 - —
Toxaphene, dms. c.l., t.l., works, lb .20 - —
l.c.l., t.l., works lb. .26 - —
Triacetin, dms., c.l., dlvd. E, of Rockies lb. .39 - —
l.c.l. same basis lb .40 - —
tanks, same basis lb. .37 - —
Tributyl citrate, tech., non-ret, dms., c.l., frt. alld. E. of Denver lb. .42 - —
l.c.l., frt. alld E of Denver, lb. .43 - —
tanks, frt. alld. E. of Denver, lb. .40 - —
Phosphate, dms., c.l., works lb. .52 - —
tanks, same basis lb 50 - —
Tributylamine, cms., c.l., works lb. .67 - —
l.c.l., same basis lb. .68 - —
tanks, same basis lb. .65 - —
Trichlorobenzene, dms., c.l., works, frt. alld E lb. .14½ - —
l.c.l., frt. alld. E lb. .15½ - —
tanks, frt. alld. E lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb. .11¾ - —
l.c.l., dlvd. E lb. .13¾ - —
tanks, works, frt. equald lb. .10¾ - —
Trichloroethane, dms., c.l., works, lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. 11½ - —
Tricholine citrate, 65% soln., ret. cbys, works, frt. adjusted lb 1.40 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l. dlvd. lb. .36 - —
tanks, dlvd lb .33 - —
petroleum, dms., c.l., dlvd lb. .35 - —
l.c.l. dlvd lb .36 - —
tanks, dlvd lb. .33 - —
Triethanolamine, dms., c.l., dlvd, E lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .22 - —
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .45¼ - —
l.c.l., frt. alld. E. of Denver, lb. .46¾ - —
tanks frt. alld. E. of Denver, lb. .43¾ - —
Phosphate, dms., c.l., works lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylene glycol, dms., c.l., dlvd, E lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks, same basis lb. .18½ - —
Triethylenetetramine, dms., c.l., dlvd. E lb. .49 - —
l.c.l., dlvd. E lb. .50 - —
tanks, dlvd. E lb. .47 - —
Tri-isopropanolamine, dms., c.l., dlvd. E. lb. .22¾ - —
l.c.l., dlvd. E lb. .23¾ - —
tanks, dlvd. E lb. .20¾ - —
Triethylamine, 25-40% soln., dms., c.l., works, frt equald., 100% basis lb. 42 - —
l.c.l., works, frt. equald. 100% basis lb. .42½ - —
tanks, works, frt. equald, 100% basis lb .33 - —
Trioxane, pure, dms., c.l., t.l., dlvd. E lb. .50 - —
l.c.l., dms., dlvd. E lb. .51½ - —
Tripentaerythritol, bgs., l.c.l., works, lb 35 - —
Triphenyl phosphate bbls. c.l. frt. equald lb. .40 - —
l.c.l., frt. equald lb. .41 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld E lb. .20½ - —
l.c.l., frt alld E lb .21½ - —
Prices 1c per lb higher in West.
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Phosphate (see Sodium phosphate tribasic)
Trypsin, pharmaceutical, 1:75, dms., works lb. 6.25 - —
di-Tryptophane, fib. cins., works kilo.165.00 - —
Tungsten metal powd., 98.8%, dms., dlvd lb. 4.35 - 4.40
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. .75 - .85

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E ton.120.00 - —
l.c.l. dlvd. E. ex whse ton.140.00 - —
45% N, agricultural, bgs., c.l., (30 tons), dlvd., E ton.105.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton.126.00 - —
C grade, tankcars, same basis, ton.124.50 - —
37 grade tankcars, same basis, ton.153.00 - —
Urethane, USP, dms lb. 1.50 - —
Uva-ursi leaves, bls lb. .12 - .14

V

Valerian root, Belgian, bgs lb. .38 - .40
dl-Valine, dms. works lb.21.00 27.50
Valonia beards, 40-42% tannin, bgs., exdock ton.77.00 -78.00
cups, 28-30% tannin, bgs., exdock ton.54.00 - —
extract, powd., 63% tannin, bgs., ex-dock, duty extra lb. .08 - —
Vanadium pentoxide, tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins lb. 6.50 - 7.00
Mexican, cuts, tins lb. 7.75 - —
whole, tins lb. 8.50 - —
Tahiti, cs. lb. 6.00 Nom.
Vanillin, ex eugenol, tins, 25-lb. lots. lb. 6.50 - 6.75
smaller lots lb. 6.90 - 7.25
ex lignin, dms., 25-lb. lots lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½ - —
l.c.l., dlvd. E lb. .19½ - —
tankcars, dlvd E lb. .16½ - —
tanktrucks, less than 4,000 gal., dlvd. E lb. .17½ - —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Chloride monomer, tanks, works. lb. .11 - —
Ether, USP, anasthesia, bots., 50 c.c. hospitals, bot 1.12 - —
75 c.c. bot 1.56 - —
tech., dms., c.l., works lb. .26 - —
c.l. works lb 28 - —
tanks works lb 25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l. works lb .30 - —
tanks works lb .27 - —
Methyl ether, cyls., works lb. .23 - —
tanks works lb 20 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
2-Vinylpyridine, dms., works lb. 1.40 - 1.50
Vinyltoluene, dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .20 - —
tanks, frt. alld lb. .17 - —
Viosterol in alcohol, 1,000,000 D units per gram, bots, lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in nat., vegetable oil, 400,000 to 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units. .02 - .04¾
lots of 1 billion USP units, 1,000,000 units. .025 - .05¼
lots of less than 1 billion USP units, 1,000,000 units. .03 - .05¾
Vitamin A acetate, syn. crystalline, beads 500,000 A units per gram gram. .07¼ - —
dry 500,000 units per gram kilo lots kilo.67 50 - —
325,000 units per gram, same basis kilo.43 88 - —
250,000 units per gram, same basis kilo.33 75 - —
Dry vitamin A acetate in less than kilo lots $2.50 per kilo higher in all potencies.
liq., in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
Palmitate liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 - —
in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
B_1 (see Thiamine hydrochloride).
B_2, (see Riboflavin).
B, complex, natural (see Rice bran concentrate and Yeast).
B_{12}, crystalline, 1-gram or 5-gram vials gram.245.00 - —
oral grade solids in containers of 1 and 5 grams of B_{12} activity gram.185.00 - —
C (see Acid, ascorbic).
D (see Oils, cconver and fish-liver, Calciferol and Viosterol).
D_2, dry, 850,000 units per gram, kilo lots kilo.42.50 - —
less than kilo lots kilo.45.00 - —
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin)
K, Active (see Menadione).
K_1, 25 gram bots gram 4.50 - —
Violet methyl toner (see Blue methylviolet toner).
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls lb 2.25 - —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb 1.95 - —
25-49-lb lots, N. Y. or Chicago. lb 2.05 - —
5-24-lb. lots, cns., N. Y. or Chicago lb. 2.15 - —
Wattle bark, fair average, African, bales, ex dock ton.99.00 - —
merchantable, bales, ex dock ton.96.00 - —
extract, liq., 35% tannin, bbls lb. .09¾ - .10
solid, E. Africa, 60% tannin, bgs., ex dock, duty extra lb. .09¾ - —
S. Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
Wax, amorph. (see Wax micro crystalline).
Bayberry, bgs lb. .43 - .45
Bees, crude, African, bgs lb. .72 - .74
Brazilian, bgs lb. .70 Nom.
Central American, bgs lb. .65 Nom.
Chilean, bgs lb. .70 - —
refd., USP, bleached, white bricks, 100-lb. cins lb. .81 - .84
slabs, 100-lb. cins lb. .80 - .83
yellow, bricks, 100-lb. cins. lb. .75 - .77
slabs, 100-lb. cins lb. .74 - .76
Candelilla, crude, bgs lb. .52 - .53
refd., bgs lb. .55 - .56
Powdered candelilla, 20 mesh, 7c. per lb. higher. 80 mesh, 7c.; 100-200 mesh 8c.
Carnauba, chalky, bgs., ton lots. lb. .57 - .59
North country No. 2, bgs., ton lots lb. .65 Nom.
pure refd., bgs., ton lots. lb. .71 - .73
No. 3, Ceara, crude, bgs., ton lots lb. .59 - .60
refd., pure, bgs., ton lots lb. .67 - .68
tech., bgs., ton lots lb. .62 - .63
Parnahyba, crude, bgs., ton lots lb. .60 - .62
refd., pure, bgs., ton lots lb. .67 - .68
yellow No. 1, Ceara, bgs., ton lots lb. 1.10 - 1.12
Parnahyba, bgs., ton lots lb. 1.13 1.15
Powdered carnauba wax price differentials same as powdered candelilla.
Wax, Japan, cs lb. .46 - .47
Microcrystalline, 170-175°F., m.p. ASTM, penetration 15-20 cins., 20,000 lbs., group 3, works, lb. .13½ - .14½
smaller lots, same basis, lb. .14½ - .15½
black, ctns., 20,000 lbs., same basis lb. .12 - .13
smaller lots, same basis, lb. .13 - .14
white, ctns., 20,000 lbs., same basis lb. .24½ - .25½
smaller lots, group 3, works lb. .25½ - .26½
180°-185°F. m.p., ASTM, penetration, 7-11; amber, ctns., 20,000-lb. lots, same basis, lb. .16½ - —
smaller lots, same basis, lb. .17½ - —
black, ctns., 20,000 lbs., same basis lb. .15 - —
smaller lots, same basis, lb. .16 - —
white, ctns., 20,000 lbs., same basis lb. .27½ - —
smaller lots, same basis, lb. .28½ - —
190°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20½ - —
smaller lots, same basis, lb. .21 - —
black, ctns., 20,000 lbs., same basis lb. .18½ - —
smaller lots, same basis, lb. .19 - —
white, ctns, 20,000 lbs., same basis lb. .34 - —
smaller lots, same basis, lb. .35 - —
Montan, dom., refd., bgs lb. .27 Nom.
imp., crude, Bohemian, bgs lb. No prices.
German, bgs lb. No prices.
Ouricury, refd., pure, bgs lb. .80 - .82
tech., bgs lb. .75 - .77
Paraffin (see P).
Spermaceti, blocks, cs. lb. .30 - .33
cakes, cs. lb. .31 - .34
Sugar cane, dom., refd., slabs, 80 lbs. ctns., works lb. .65 - .75
spot lb. .67¼ - .72¼
White lead (see Lead, White).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd., dms., lb. 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .18 - .19
rossed, bls lb. .19 - .22
Witch hazel, bark, bls lb. .16 - .17
leaves, bls lb. .20 - —
Wollastonite, fine, bgs., c.l., works, ton.39.50 - —
l.c.l., ex whse ton 56.00 - —
medium, bgs., c.l., works ton 27.00 - —
l.c.l., ex whse ton.44.00 - —
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs lb .20 - .25
Levant, bgs lb 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol cryst, 58° 60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb. .90 - —
45°-47°C., dms., c.l., same basis, lb. .212 - —
l.c.l. same basis lb. .215 - —
tanks same basis lb. .199 - —
fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis, gal. .96 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
dry at or below 227°C., dms., c.l., same basis gal. 1.11 - —
l.c.l. same basis gal. 1.14 - —
tanks, same basis gal. 1.00 - —
Xylidines, mixed, o-m-p, dms., c.l., truckload, works lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .38 - —
Xylol, coaltar, indust., tanks, works:—
Bethlehem, Pa. gal. .34 - —
Birmingham district gal. .32 - —
Chicago district gal. .35 - —
Cleveland district gal. .34½ - —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .33 - —
Middletown, Ohio gal. .34 - —
Minnequa, Colo gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .32 - —
Sparrows Point, Md. gal. .34 - —
Terre Haute, Ind. gal. .35 - —
Youngstown, O gal. .32½ - —
petroleum, indust., tanks, works:—
Bayonne, N. J. gal. .34 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara yara, cns lb. 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
260 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd N. of Tenn. and N. C., E of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below.
Benzidine AAA, bbls., dlvd lb. 2.00 - —
AAOT, bbls., dlvd lb. 2.25 - —
Lightfast, bbls., dlvd lb. 3.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies, lb. 2.85 - —
Lithopone, all shades, bbls., frt. alld., E of Rockies lb 1.15 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. of Tenn., and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .33 - .33½
Dlvd. Ala., Fla., Ga., La. (Shreveport 1¼ higher); Miss., N. C., S. C., Penna., Dallas, Tex. 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex. 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher; dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Yellow, hansa, 10 g, bbls., same basis as yellow, chrome. lb. 2.15 - —
G pigment, bbls lb. 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼ - —
Peruvian type, bgs., l.c.l lb. .038 - —
pure, bgs., c.l., works lb. .11½ - —
l.c.l., works lb. .11¾ - —
Mercury oxide, bbls., 1,000-lb. lots lb. 5.58 - —
smaller lots lb. 5.60 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .27 - .27½
basic, dlvd lb. .31 - —
Yerba santa leaves, bls lb. .40 - .42
Yohimbine hydrochloride, bots, tin. oz. 4.50 - —

Z

Zein, bgs., 36,000-lb. lots or more lb. .38 - —
1,000 to 36,000-lb. lots, works lb. .40 - —
smaller lots, works lb. .43 - —
Zinc acetate, NF VIII, dms lb. .53 - —
tech., dms., works lb. .27 - —
Borate, bgs., c.l., dlvd. E lb. .192 - —
l.c.l. dlvd E lb. .202 - —
Chloride, NF, gran., dms lb. .42 - —
precipitated, powd., dms lb. .26 - —
soln., 50%, dms., c.l., works, 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
tech., fused, dms., c.l., works, 100 lbs.10.10 - —
l.c.l., works lb.10.60 - —
gran., fib. dms., c.l., works, 100 lbs.10.85 - —
Chromate (see Yellow, zinc).
l.c.l., works 100 lbs.11.35 - —
Cyanide, kgs., 1,000-lb. lots or more, works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works, lb. .16¼ - —
l.c.l., works lb. .17¼ - —
Fluoride bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld lb. .21½ - —
l.c.l., frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .13 - —
New York lb. .13½ - —
Naphthenate, liq., 8% Zn., dms., frt. alld. lb. .24½ - —
10% Zn. dms. frt alld lb. .30 - —
Oxide pigment, American process, lead-free, bgs., c.l., frt. alld lb. .14 - —
l.c.l., same basis lb. .15 - —
leaded, 25%, bgs., c.l., mills, frt. alld. lb. .14⅝ - —
l.c.l., same basis lb. .15⅝ - —
50%, bgs., c.l., same basis lb. .14⅞ - —
l.c.l., same basis lb. .15⅞ - —
French process, coml., green seal, bgs., c.l., frt. alld lb. .15¾ - —
l.c.l., same basis lb. .16¾ - —
red seal, bgs., c.l., same basis lb. .15¼ - —
l.c.l., same basis lb. .16¼ - —
white seal, bgs., c.l., same basis lb. .16¼ - —
l.c.l., same basis lb. .17¼ - —
USP, ctns., c.l., frt. alld lb. .17¼ - —
l.c.l., same basis lb. .18¼ - —
Zinc oxide Pac. coast prices 1c. higher.
Phenolsulfonate, NF, gran., dms. lb. .39 - —
powd., dms lb. .42 - .49
Resinate, precip., 7.2-7.6% Zn, dms., frt. alld lb. .29 - —
Silicofluoride, bbls., works lb. .12½ - .14
Stearate, tech., USP, ctns., c.l. lb. .39 - —
lb. .39 - —
l.c.l. lb. .40 - .44
Sulfate, cryst., 22% ZN, bgs., c.l., works, frt. alld 100 lbs. 8.05 - —
l.c.l., same basis 100 lbs. 8.60 - —
flake, 25½%, Zn, bgs., c.l., works, 100 lbs. 6.00 - 7.40
l.c.l., works 100 lbs. 7.00 - 7.90
powd., monohydrate, 36% Zn, bgs., c.l., dlvd E 100 lbs. 8.50 - —
l.c.l., dlvd. E 100 lbs. 9.50 - —
Zinc sulfate in bbls. 40c. higher.
USP, gran dms lb. .26 - —
Sulfide, pure, bgs., c.l., dlvd lb. .2530- —
Undecylenate, dms. lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs.10.25 - —
l.c.l., works 100 lbs.10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l. lb. .25½ - —
l.c.l. lb. .26 - .41¼
normal, dms., l.c.l., works lb. .52 - —
Zircon (G), gran., bgs., c.l., works, lb. .03½ - —
5 tons to c.l., works lb. .03⅝ - —
1 ton to 9,999-lb. lots, works, lb. .04 - —
smaller lots, works lb. .06½ - —
milled, bgs., c.l., works lb. .04½ - —
5 tons to c.l., works lb. .04⅝ - —
1 ton to 9,999-lb. lots, works, lb. .04⅝ - —
500-1999-lb. lots, works, lb. .07½ - —
Zircon (G) in barrels, 1c. higher.
Zirconium acetate, 13% soln. ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 - —
Hydride, cns., works lb. 7.00 - 8.45
Nitrate, dms., ex whse lb. 4.50 - 7.00
Oxide, 92½-99%, white, grd., bbls. or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5-ton lots, works, lb. .44½ - —
1 ton to 9,999-lb. lots, lbs., works lb .45 - —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½ - —
smaller lots, works, lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5-ton lots, works lb. .59½ - —
1 ton to 9,999-lb. lots, works lb. .60 - —
500 to 1,999-lb. lots, works lb. .60½ - —
smaller lots, works, lb. .63 - —
Oxychloride, cryst., ctns., 5-ton lots, works lb. .35½ - —

MEMO FROM: Product Development Committee

TO: Purchasing Department

We approve vitamin A 'Roche' for all uses.

The quality is very high. All types of the

Roche product are completely satisfactory.

Per .....

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with your manufacturing problems

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6 big advantages:

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. Economy . Palatability

. Uniformity . No "Fishy Burp"

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Nutley 10, N. J. NUtley 2-5000

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c.l., works ..... 100 lbs. 4.60 • —
l.c.l., works ..... 100 lbs. 4.93 • 5.35
dms., c.l., works ..... 100 lbs. 5.00 • —
l.c.l., works ..... 100 lbs. 5.35 • 5.75

Sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky.

Stannous chloride, anhyd., dms., works lb. .805 -1.074
Hydrous (crystals), dms., works, works lb. .76 • .77
Sulfate, dms., works ..... lb. .924 • .944
Starch, corn, neat

c.l., works ..ton.18.40
l.c.l., works ton.36.00
fibrous, New York, grd., bgs.

Arcanum, Ohio ..... gal. .32 • —
Middletown, Ohio ..... gal. .33½ • —
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lb. .19¾ • —
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lb. .48½ • —
lb. .49½ • —
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lb. .42¼ • —
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lb. .39 • —
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lb. .90 • —
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lb. .20¾ • —

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Sulfocyan
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1-ton
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Trichloracet
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10-lb. c
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Tungstate, tec
Sodium ammoni
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Sodium cinchopn
Sodium-formalde
l.c.l., sa
Sodium-zirconyl
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smaller l
Solvent naphtha,
petroleum
aromatic)
Sorbitan monostea
000-lb.
10,000 to 20
smaller lots
Tristearate, fib.
10,000 to 20
smaller lots
Sorbitol, cryst., p
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soln., comi., aqu
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reg., 70%, aqu
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Soybean meal, 44%,
protein, chemically
mechanically re
works lb. .66 • —
Spearmint leaves, dom. bls ..... lb. .75 • —
imp., bls ..... lb. 1.25 • —
Spruce, extract, liq., reg. tanks, works lb. .01¾ • —
powd., super. bgs., c.l., works, lb. .05¼ • —
l.c.l., works ..... lb. .05½ • —
Squill, white, bls ..... lb. .17 • .19
powd., bbls. bxs ..... lb. .18 • .21
St. John's bread, edible, bls lb. .13 • .15
Stannic chloride, anhyd., dms., works lb. .752 • .762
Oxide, dms., dwd. E ..... lb. .93½ • .94½

Soybean meal, 44%, protein, chemically mechanically ground, bgs., ex-dock ..... ton.127.00 • —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Baltimore, unit-ton. .88 • .91
Carteret, N. J. unit-ton. .88 • .91
triple, 48% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla., unit-ton. .98 • —

T

2,4,5-T, dms., c.l., works, frt. equald. lb. 1.25 • —
l.c.l., same basis ..... lb. 1.30 • 2.30
Isopropyl, ester, dms., c.l., works, frt. equald. lb. 1.30 • —
l.c.l., works ..... lb. 1.35 • —

solid, dms., frt. alld. ..... lb. .70 • —
m-Toluidine, dms., c.l., works, frt. alld. lb. .79 • —
l.c.l., same basis ..... lb. .80 • —
tanks, same basis ..... lb. .78 • —
o-Toluidine, dms., c.l., works, frt. alld. lb. .23 • —
l.c.l., same basis ..... lb. .24 • —
tanks, same basis ..... lb. .22 • —
p-Toluidine, flake, dms., frt. alld. lb. .64 • —
solid, dms., frt. alld. ..... lb. .60 • .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. ..... gal. .34 • —
Birmingham dist. ..... gal. .32 • —
Chicago dist ..... gal. .35 • —
Cleveland dist. ..... gal. .32 • —
Geneva dist. ..... gal. .26 • —
Johnstown, Pa. ..... gal. .32 • —
Lackawanna, N. Y. ..... gal. .35 • —

V

Vitamin A acetate, syn., crystalline, beads 500,000 A units per gram grain, dry, 500,000 units per gram, kilo lots kilo • —
325,000 units per gram, same basis kilo • —
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in oil, 1,000,000 A units per gram, 1,000,000 units. • —

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Volume 169 **January 2, 1956** **Number 1**

Concerning Chemical Research

It is interesting to learn that the chemical industry "far exceeds all others in the magnitude of its basic research program." It is far more important to have the information that the industry is in a similar position with respect of the extent to which it applies its research facilities to the development of practical applications of the basic findings. Most important it is to know what are the results for the industry, for the nation, and for the world; for that is a major part of the story of human progress.

It is interesting to learn that the chemical industry leads in "scientific" employment, especially significant being the information that its employed personnel contains a larger number of engineers than of chemists. The most useful information in that direction would have to do with the extent to which the chemical industry contributes fundamentally and practically and progressively to the employment potentialities of practically all other industries. That is another important chapter in the story of human progress. Its telling would be an endless undertaking.

The industry's contributions to the exceedingly rapid progress of human endeavor can be and will be innumerable and limitlessly varied. Two major areas are getting a deal of attention—not to mention that universally attractive one which is focused on things nuclear. The two areas are that of fuel and that of substitutes for metals.

There is, of course, a large chemical aspect to nuclear fuels. But the needs of the world's peoples for some time to come will lie in what may be called simpler fields. Much has already been done chemically in the development of what are popularly known as rocket fuels or jet fuels. Much more will be done along that line.

An area of special promise is that comprising the further development of commercially practicable methods of making better use of coal. When such a method has been completed for the chemical teaming of the world's two major sources of energy by way of the combining of the hydrogen, and to an extent of the oxygen, of water directly with the carbon of coal, the chemical industry will have done a mighty big and very good job—and laid a bigger one for the doing on the physical side of the necessary distribution of the resulting fuel. That is a job which also will require a great deal of what is now called practical or applied research, but actually is better described by its earlier designations—when "research" was wholly a chemical term—"experimentation" and "tinkering."

Both chemical and physical research have been done in the development of satisfactory substitutes for a number of metals widely in use. Progress has been particularly far and good in the field of plastics. There are great expectations in that connection for the days to come, even to the extent of the replacing of steel as a structural material by way of improvements in the ancient member of the thermoplastic group—glass.

This Year's Big Question

Because 1956 is going to have a Presidential election of unprecedented significance, this year will raise many questions in governmental policy and its political interpretation. At the top of the list in various aspects of importance will be one recently propounded by the President's economic counsel in an analysis of the motive behind the economic record of the administration. Setting forth the economic conditions for which he gave credit to the administration, the counsel asked whether the results reflected concern for special interests or for the general welfare. He left the answering to his audience, a group of investment bankers.

Whatever one may think about the role and the influence of government in relation to the economic achievements of private enterprise, he must logically admit that for the greatest good of the greatest number over the longest period the motive must be the general welfare, not special interests, whether the policy effected by the motivation be that of government or that of private enterprise.

The big underlying question is not going to be easy to deal with this year—politically. But, it can be handled with relative ease by private enterprise; although its answering will require somewhat of a change in many areas from the past year's apparent primary objective. The ultimate benefits of that change will be best promoted as its influence applies a brake to the materialization of the promises to special interests which the politicomists certainly are going to make without end in the next ten months.

The present federal administration deserves a great deal of credit for the stand it has taken against the pressure of various "leaning powers" and other special interests. Some of those pressures are going to be much heavier this year. Politicomically, the resistance thereto can be expected to be lessened. Economically, in terms of general welfare, any weakening in that respect must be looked upon as highly undesirable and potentially harmful. For that reason—as it applies to itself—private enterprise should do its utmost to give government all the support it may need to stick to its stand—no matter what happens to politics. In that way alone can this year's biggest question be answered properly.

Aid for Foreign Trade

Properly developed, foreign trade will benefit this country as well as those others which are parties to it. For that reason alone—there are many others—foreign trade is much to be preferred to foreign aid of the recently popular sort. Its development is a job for private enterprise.

There is a lesson for thinking business leaders in a recent statement by President Eisenhower: —"Problems which hamper the international exchange of goods and services are the concern of businessmen as well as of the government. Both must share in the work to promote an expansion and liberalization of international trade in the interest of our own welfare and that of the free world."

It should be evident to any open-minded person that government and business must act as a fairly matched team in the promotion of international trade ("the international exchange of goods and services"). Much has already been done by way of the trade-agreements facilities of GATT. Much more can be done if and when those facilities are better understood and cooperatively accepted by business. There is, unfortunately, far too little knowledge of and concern for the reasons for discriminations against goods from the United States in other countries. Much good can be approached, yes, arrived at in that connection by use of such opportunities as those offered by the Latin-American Institute in its courses of instruction on "The Technic of Adjustments to Life and Work in Latin-America," and by other agencies devoted to education in various foreign languages, philosophies, and manners of life.

It is true that business still needs the help of government in connection with the peculiar political problems always to be met in numerous foreign markets. But, business can do itself at least as much good by way of properly developed mutual understanding and consideration in areas of commercial and social relations.

There is room for much helpful activity on the part of business in the direction of a more general viewing of the objectives in foreign trade and a greater measure of collaboration toward their attainment. A plan for steamship companies to discover and develop new markets for exported goods was recently proposed by an executive of one company. The shipping people, he urged, should stop charging exporters all that the traffic will stand and apply their conference system to the adjustment of rates, giving due consideration to the differences between domestic and foreign charges.

There appears to be something deserving of a deal of attention in the shipman's suggestion that American steamship companies equip themselves in personnel so as to carry out a program aimed at selling American goods to foreign markets and at facilitating the transactions essential to an American producer's doing business abroad. Certainly, that suggesion points to a potentially helpful program of collaboration.

In foreign trade, as in human endeavors in general those who help themselves get the best help.

Washington Talks It Over

Overhauling of Revenue Law Looms as Treasury Sends List of Ninety Items it Calls Errors to House Unit.

By Ralph L. Cherry

Chief, OPD Washington Bureau

Another overhauling of the revenue law is in prospect during the new session of congress. Mostly it will be for the purpose of correcting many of the mistakes that crept into the general revision of the law last year, but some of the changes will deal with policy that will vitally affect individuals and corporations alike.

The Treasury Department has sent a list of ninety items to the house ways and means committee which it calls errors made in the last rewriting of the law—drafting errors, clerical mistakes and all of them relatively insignificant. But the Democrats claim that there are about ten more "errors" in the law which are not so insignificant.

One "error" is the dividend credit provision which congress wrote into the law last year to remove some of the double taxation now imposed on stockholders. Speaker Rayburn, who works out the political strategy of the Democrats in the house, already has made this provision an issue in the new tax bill.

Rep. Wilbur Mills of Arkansas, Democratic chairman of a subcommittee that has been making a study of tax law policy, also has charged that the revenue code is full of "glaring loopholes" which he proposes to close next session. He hopes to shift some of the tax burden from those less able to pay.

A time element will be involved in this year's consideration of the tax bill due to the fact that some of the tax increases that have been in effect since the Korean crisis expire April 1. These include the 5 percent added tax on corporation incomes and the emergency increases on gasoline, alcohol, cigarettes, etc.

The prospects are that the excise tax increases will be continued again, but a fight is shaping up over another extension of the corporation tax increase. Also, the Democrats plan to launch an effort to either reduce individual income taxes by lowering the rate or raising the exemption. There is a possibility the corporation tax may be lowered from its present 52 percent to 50 percent.

Compensation Interest High

The "model" workmen's compensation law referred to in a recent "Talks" column has aroused such widespread interest that under Secretary of Labor Arthur Larson has extended the deadline for comments another thirty days until February 15. Some industry spokesmen see in the proposal a broadening of the original intent of these laws that could cost industry billions of dollars in accident claims.

At the request of the Labor department, the proposed "model" law is being studied by about 2,000 governors, state workmen's compensation agencies and labor departments, labor and industry organizations, medical and rehabilitation associations, legal and insurance groups, universities, and other interested organizations and individuals. On the basis of comments received, a revised draft will be prepared for submission to the states for enactment.

Interest in workmen's compensation laws is reflected in the fact that all but three of the forty-five state legislatures that met this year moved to improve their compensation laws. Thirty states, Alaska and Hawaii increased benefits, and a number of others provided for studies to be made of the laws by special committees.

Business Turnover Is Great

The Commerce department reports that although the total number of business establishments has been comparatively stable for several years, there has been considerable business turnover. That is, as quickly as one firm became extinct, another came on the scene to take its place.

About 30 percent of the firms in operation at the close of 1954 were older than ten years and 12 percent were as young as six months. The median age of all operating businesses was nearly seven years—that is, half of the businesses were older and half younger than this age.

In the postwar experience, there was an even chance that a newly-acquired firm would last about two years under the same management. The chances dropped to about one out of three that a firm would live to the age of four years, and to about one out of five that an age of ten years would be reached.

Among the major industries, wholesale trade firms had the best survival record. Three-fourths survived their first full year of operation and about 30 percent survived more than ten years. Retail trade had the poorest record. Three-fifths survived their first year and only one-sixth lasted ten years.

Determining Working Time

The Labor department's Wage and Hour and Public Contracts Divisions has a new interpretive bulletin out on working hours which is a practical guide in determining what constitutes working time for employees who are entitled to the pay provisions of the law.

Among the subjects of wide application discussed are travel time, waiting time, rest and meal periods, and time spent in certain activities at the beginning and end of the workday. Also considered is the application of the hours-worked rules in time spent in such specialized situation as attending training programs, lectures and meetings, and in jobs which involve sleeping time or other periods of inactivity.

In line with the policy of coordinating the administration of the fair labor standards act and the Walsh-Healey public contracts act, the rules in the bulletin will also apply in determining working time under the public contracts act.

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Becco technicians, working closely with Martin, Baltimore and other prime contractors, contributed significantly to these applications of chemical technology to long-range missile development. This is an excellent example of FMC basic policy of "putting ideas to work" in myriad phases of civilian and defense industry.

Through this forward-looking, growth company research policy on new chemicals and new applications of traditional chemicals, FMC Chemical Divisions have expanded the size and scope of their activities many fold in the past decade.

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Heavy Chemicals

An otherwise serene holiday market was concerned about possible future bearish effects stemming from the current slowdown in automobile production. There were also some indications of concern over possible levelling off in construction. In the light of current good business, however, speculation about demand for heavy industrial chemicals tended to be optimistic, particularly for the first quarter.

New monthly productions highs were reported in October for acetylene, chlorine, hydorchloric acid, hydrofluoric acid, oxygen, phosphoric acid, sodium chlorate and caustic soda.

Steel, rayon and other consuming industries continued to operate on a high level, although steel output was slowed some 3.4 percent by the holidays.

Chlorine remained in close supply in many districts, and heavy production of chlorinated organics was borne out by the sharp increase in byproduct muriatic acid production in October.

With chlorine setting a record in that month, caustic soda as well reached a new peak. Producers felt comfortable about the current good balance of electrolytic cell production, as caustic consumption kept pace with chlorine demand.

Saltcake output in October increased by 4,932 tons. Despite this, there was a negligible increase in end-of-month inventories. Kraft paper demand remained active.

Some of the sodium phosphates and silicates were raised effective January 1 on spot and contract. The increase in raw materials in October was responsible for the advance.

The American Paper and Pulp Association reported production for the week ended December 23 at 88.1 percent of theoretical capacity, as compared with the revised figure of 100.3 percent for the previous week and 73.8 percent for the corresponding week of last year.

The following figures compiled by the Bureau of Census show production of selected acids, in tons.

	Oct.	Sept.
Acid, chromic	1,460	1,396
Hydrochloric from salt and acid	14,264	12,764
from chlorine and hydrogen	13,814	11,985
byproduct	50,658	44,650
Total	78,736	69,399
Hydrofluoric	5,963	5,556
Nitric	190,556	173,097
Phosphoric from phosphorus	134,049	138,672
from phosphate rock	186,220	179,582
Total	320,269	318,254
Sulfuric chamber	190,636	176,877
contact	1,163,902	1,082,437
spent (fortified)	62,409	64,681
Total (gross)	1,354,538	1,259,314

Acid, Hydrochloric—A new monthly production high was reported for hydrochloric acid by the Bureau of Census. While Mannheim and synthetic output showed only slight increases, byproduct production was up by 6,008 tons in October.

Stocks of byproduct increased 3,829 tons to stand at 10,692 tons October 31. Overall stocks increased by 6,135 tons to reach 13,099 tons.

The rise in output of byproduct muriatic served to further emphasize the breakneck pace of the chlorinated organic chemical industry, as well as continued heavy chlorine consumption.

Demand remained strong and active in the northeastern and midwestern sections of the country, but producers were still bothered with heavy supplies in the south and southwest.

Acid, Hydrofluoric — Production set an all-time monthly high, according to the Bureau of Census, when October output reached 5,963 tons.

Stocks showed only a slight increase in October, rising to 1,990 tons from 1,949 tons on hand at the end of September. Demand for organic fluorination, glass manufacture and government account was said to have been a large factor in current heavy consumption.

Acid, Phosphoric — The Bureau also reported that output of phosphoric acid set a new monthly record in October. Stocks at the end of that month showed a decrease despite record-breaking production.

Price Trends

Advanced
Lead, ½c. per lb.

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
101.26	101.26	100.45	98.26

For Current Prices see Page 9

Acid, Sulfuric — Buying interest remained strong in several heavy industrial regions. Steel, rayon, pigments, alcohols and other end uses kept the market active.

Steel output for last week was estimated at 2,292,000 tons, or 95 percent of capacity. Actual production the previous week was 2,338,000 tons, or 96.9 percent of capacity.

Chlorine—Consuming demand remained strong. October output of chlorine reached a new monthly high, according to the Bureau of Census.

Organic chemicals, paper, textiles and other end uses ordered in large quantity to fill immediate needs. Stocks at the end of October totaled only 619 tons.

The following figures compiled by the Bureau of Census show production figures for chlorine and alkalies, in tons.

	Oct.	Sept.
Chlorine gas	316,614	293,929
liquid	171,789	158,996
Potash, caustic, liquid	8,008	7,394
solid	1,710	1,513
Soda ash, (58% Na_2O) synthetic—		
Total crude bicarbonate equivalent	442,612	413,071
Finished light	236,504	228,928
Finished dense	168,486	150,949
Natural	68,895	65,000
Soda, caustic, 68-74% liquid	54,790	55,113
other liquid	249,122	230,643
dry	53,101	48,732
electrolytic process liquid	319,148	298,586
dry	*	*
lime soda process liquid	37,865	35,902
dry	*	*
Sodium bicarbonate, finished	11,355	9,589
Sulfate anhyd. (refd.)	25,661	24,816
Glauber's salt	12,875	12,143
Saltcake (crude, coml.)	61,695	55,763

*Withheld to avoid disclosing figures for individual establishments.

Soda, Caustic—Overall production of caustic soda during October set a new monthly record, according to figures compiled by the Bureau of Census.

Sodium Phosphates — Anhydrous monosodium, anhydrous and crystal trisodium, tetrasodium pyro and tripolyphosphates were increased effective January 1.

Anhydrous monosodium phosphate was increased to $8.70 per hundred pounds, bags, carlots, freight equalized, and $9.10 per cwt., less carlots, same basis.

Anhydrous trisodium phosphate was raised to $8.65 per cwt., same basis, in carlots, and $9.05 per cwt., less carlots.

Crystal trisodium phosphate was newly quoted at $4.40 per cwt., carlots, same basis and $4.80 per cwt., less carlots, same basis.

Tetrasodium pyrophosphate was listed at $7.52½ per cwt., carlots, and $7.92½ per cwt., less carlots, same basis.

Sodium tripolyphosphate was quoted at $7.87½ per cwt., carlots and $8.27½, less carlots, same basis.

Monosodium phosphate production in October was 732 tons, September, 789 tons, and October, 1954, 488 tons, according to the Bureau of Census.

Trisodium phosphate output was 3,960 tons in October, 4,635 tons in September, and 4,727 tons in October, 1954. Acid pyro output was 1,316 tons in October, 1,602 tons in

Heavy Chemicals

September and 1,301 tons in October, 1954.

Sodium Silicates—Anhydrous sodium metasilicate, concentrated and hydrated orthosilicate, and hydrated sesquisilicate were advanced January 1 on spot and contract.

Since OPD prices current closed out Friday, December 30, the new prices will not appear until the January 9 issue.

Anhydrous metasilicate was advanced to $5.35 per hundred pounds, bags, carlots, works, and $5.65 to $7.55 per hundred pounds, less carlots, same basis.

Concentrated orthosilicate, already advanced October 1 by some producers, was uniformly priced at $6.30 per cwt. January 1. Hydrated orthosilicate was advanced 15c. per pound to $5.40 per cwt.

Hydrated sesquisilicate was raised 20c. per cwt. newly listed at $4.80 per cwt., bags, carlots, zone 1 delivered and $5.20, drums, same basis.

Production of sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) in October rose slightly to 55,279 tons from 55,154 tons in September.

Nonferrous Metals

Aluminum — Production of primary aluminum in October totaled 134,655 short tons, according to the Bureau of Mines. This represents an increase of 3 percent, or 4,049 tons compared with production in September and exceeds by 1,104 tons the previous monthly record set in August of this year.

Stocks held at reduction plants at the end of October totaled 16,437 tons, an increase of 6,539 tons compared with September.

Purchased aluminum-base scrap reported consumed in August totaled 33,991 short tons, an increase of 21 percent (5,989 tons), compared with 28,002 tons used in July.

The most significant increase in the type of scrap consumed in August, compared with July, was 2,495 tons of new and obsolete alloy sheet and clips.

Following are increases shown by other types of scrap:—1,036 tons of borings and turnings, 587 tons of old castings and forgings, 152 tons of new cast scrap, 253 tons of discarded pots and pans, 153 tons of aircraft scrap and 394 tons of new and old foil.

Copper—Metal continued pegged at 43c. per pound, delivered US destinations. There were some reports that supply would equal demand by the end of the first quarter. However, some in the trade felt that this view was rather optimistic.

Lead—The strong world market coupled with active demand for the past several weeks caused lead to increase ½c. per pound. Pig lead was currently quoted at 15.8c. per pound, St. Louis and 16c. per pound, New York basis.

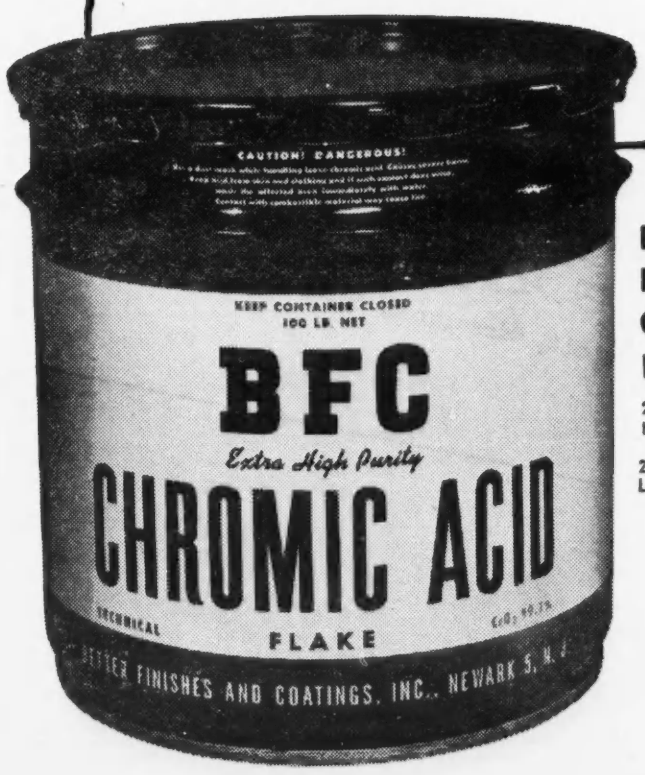
Tin — The market continued to ease slightly. Straits metal was quoted at $1.09 per pound, spot.

ONE BIG HAPPY FAMILY

For months now the boys who make our Chromic Acid have been in a rut . . . a nice, deep smooth rut. Batch after batch exceeds the spec . . . 99.75% C_2O_3. Never any gripes about quality from the front office.

So, they're happy. We're happy. Our distributors are happy. Their customers are happy. Everybody's happy.

Want to be happy, too? Send us a modest order for Chromic Acid the very next time you need some.



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As basic producers of Copper, Iron, Zinc and Sulfur, we maintain exacting ***QUALITY CONTROL*** from the raw material to the finished product. You can be assured of ***UNIFORM QUALITY*** if it bears the **TC** label.

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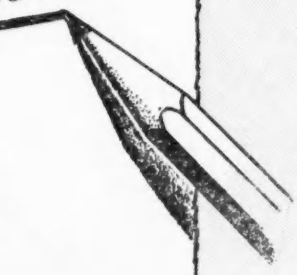
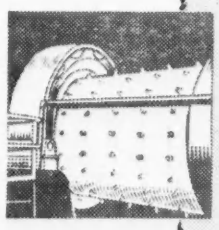
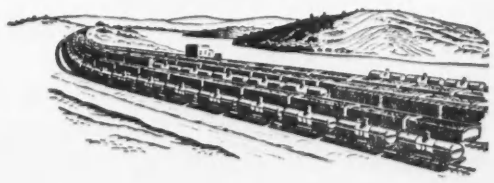
- ☐ COPPER CARBONATE
- ☐ COPPER HYDRATE
- ☐ CUPRIC CHLORIDE
- ☐ CUPRIC OXIDE
- ☐ MANGANESE SULFATE
- ☐ MONOHYDRATE MANGANESE SULFATE
- ☐ MANGANESE OXIDE
- ☐ MANGANESE CARBONATE
- ☐ FERRIC SULFATE
- ☐ SULFUR DIOXIDE
- ☐ MONOHYDRATED ZINC SULFATE
- ☐ CHLOROSULFONIC ACID
- ☐ ORGANIC SULFONIC ACIDS (AND DERIVATIVES)





Samples, specifications and detailed information upon request.



TENNESSEE TC CORPORATION

617-629 Grant Building, Atlanta, Georgia

COWLES CHEMICAL COMPANY

ESTABLISHED 1885

MANUFACTURER OF INDUSTRIAL CHEMICALS

GENERAL OFFICES - 7016 EUCLID AVENUE

CLEVELAND 3, OHIO

December 12, 1955
Dict. Dec. 9, 1955

Schnell Publishing Company
30 Church Street
New York 7, New York

Attention: Mr. William S. Auchincloss, President

Gentlemen:

You will no doubt be interested in something that took place during our recent annual advertising conference with our agency, Bayless-Kerr Company, and with the management of our department which handles the sale of Cowles Heavy Chemicals.

When we reached the point of discussing the Oil Paint and Drug Reporter, there was complete unanimity among us as to the necessity for continuing our advertising in the Reporter. The more we talked about the Reporter, the more we were able to appreciate what a splendid publication it is in the chemical field.

Leafing through a few random issues that happened to be around, we were impressed, again, with the amazing quantity and variety of pertinent and very current information packed into the Reporter.

It is small wonder that we found ourselves in agreement. We were all able to recall having seen the Reporter on countless desks throughout the chemical industry—and for good reason.

We certainly have every reason to be grateful for the treatment we have received from the Reporter—not the least of which, by any means, is a highly cooperative attitude consistently taken by your Mr. Henry Seed who calls on us regularly and at just the right intervals. We have never been disappointed when we have asked Mr. Seed's advice and assistance in connection with our advertising and other phases of our public relations.

As time goes on, we expect to have many new items of potential interest to several segments of the chemical industry. We know that the Reporter is going to be a fine medium for getting those messages across.

More immediately, however, you will understand why we have decided to double our advertising space in the Reporter during 1956 and for promotion of Cowles Heavy Chemicals.

Cordially yours,

COWLES CHEMICAL COMPANY

C. C. Bassett, Director of Sales (Vice Pres.)

eb

Remember last week's issue?

Editors aren't the only folks at

Oil, Paint and Drug Reporter

who get nice letters.

May all Your Customers

write You like this in

1956

OPD's Space Staff:

Alex Kane - - - Henry Seed
Harry Townsend - - - "Phil" Philhower
Bob Walker - - - Rogers Parratt
"Stu" (Son of Bill) Auchincloss

Bead-form benzoic acid

takes "ah-choo" out of processing

If your production men handle benzoic acid, you may occasionally get complaints that the fine powder causes sneezing and sniffling.

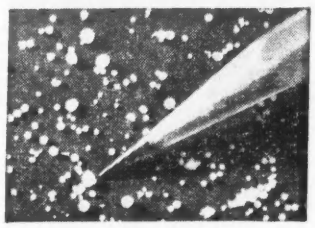
While the dust is not hazardous, it is bothersome—can even pose a morale problem.

The solution: a *bead form* of benzoic acid, technical, which we developed to meet this very problem.

The very small beads keep their shape during handling. The result: no dust; no more sneezing; happier production.

If you're using technical benzoic acid, try a 25-lb. drum of these dustless beads and see if they don't make a difference.

You can also get *powdered* benzoic acid from us, in both technical and U.S.P. grades. Either form comes in 25, 50, and 100-lb. fiber drums.



NO DUST from benzoic acid, technical, in bead form.

Hooker sodium benzoate is dust-free, too

Sneezing is less of a problem with sodium benzoate. But if you use Hooker flake sodium benzoate, it's no problem at *all*. The flake form is as nearly dustless as sodium benzoate can be.

The secret is a special, tightly-controlled flaking operation.

You can get the resulting clean, nondusting flakes in either U.S.P. or technical grade. (We can supply you with *powdered* sodium benzoate, U.S.P. or technical, too.)

If you'd like data sheets, and trial samples of either form to check against your present supply, just write us or phone the nearest Hooker sales office.

From the Salt of the Earth

HOOKER ELECTROCHEMICAL COMPANY
1 Forty-seventh Street, Niagara Falls, N. Y.
Niagara Falls • Tacoma • Montague, Mich. • New York • Chicago • Los Angeles

HOOKER CHEMICALS

S-2254

SHIP YOUR CHEMICALS IN

ALL RUBBER DRUMS

Threaded or Stopper type closures

- SAFE AND EASY TO HANDLE!
- NO METAL
- NO BREAKAGE

for Muriatic Acid
Hydrofluoric Acid
Ferric Chloride
Corrosive Liquids

GENERAL

ICC-43A SPEC. Tare Weight—34 lbs. 13 gallon capacity / Made with Natural, Neoprene, Butyl or other Synthetic Rubber Linings

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MECHANICAL GOODS DIVISION
WABASH, INDIANA
Distributed by THE C. P. HALL CO. • 5147 W. 67th St. • Chicago 38, Ill.
AKRON, O. • CHICAGO, ILL. • NEWARK, N. J. • LOS ANGELES, CAL.

Electromet Names Douglas Vice-President of Company

J. C. Douglas has been appointed a vice-president of Electro Metallurgical Company, New York, a division of Union Carbide & Carbon Corporation.

Mr. Douglas began his association with Union Carbide in 1934 in the Electro Metallurgical Company at Alloy, W. Va. He moved up in that organization to the position of superintendent of special alloys in 1946.

In 1951 he was made general superintendent of the plant at Marietta, Ohio. Two years later he came to New York to fill the post of manager, industrial relations, for the company. He held this position until the present appointment.

Allied Elects 4 Additional Members to Company Board

Allied Chemical & Dye Corporation, New York, has elected four directors to its board. The new directors are John J. McCloy, Kerby H. Fisk, Charles W. Nichols, jr., and Harry S. Ferguson.

Mr. McCloy is chairman of the board of Chase Manhattan Bank, and was formerly assistant Secretary of War. Mr. Fisk is a vice-president of Prudential Insurance Company of America.

Mr. Nichols is a director and president of Nichols Engineering & Research Corporation, and a grandson of one of Allied's founders. Mr. Ferguson is a vice-president and member of the executive committee of Allied.

Sodium Dispersion Units Available From Cowles Co.

Two package sodium dispersion units have been placed on the market by the Cowles Dissolver Company, Cayuga, N. Y. The announcement has been made jointly by Morehouse Cowles, Inc., Los Angeles, and U. S. Industrial Chemicals Company, a division of National Distillers Products Corporation, New York.

Both models, the 1000-2000 ml laboratory unit and the 3-7 gallon pilot unit, have been designed jointly by Cowles and the USI research department.

Alum Plant Planned

American Cyanamid Company, New York, will immediately build a liquid alum plant in Plymouth, N. C., according to R. E. Sumner, general manager of the industrial chemicals division. The building of the Plymouth plant was prompted by the rapid growth of the paper industry in Virginia and North Carolina, it was pointed out.

Steel Shipping Barrels Output In October Falls Below September

October production of steel shipping barrels and drums on an average working day basis was 2 percent below that of September but 8 percent above shipments in October, 1954, according to the Bureau of Census.

During the month the industry turned out 2,075,022 heavy type steel barrels and drums, 911,767 light type steel barrels and drums and 6,798,157 steel shipping packages, kegs and pails.

American-Marietta Appoints

American-Marietta Company, Chicago, has elected John F. Donoho a financial vice-president. Mr. Donoho was formerly an investment official with New York Life Insurance Company, New York.

Halby THIOCYANATES

Sodium

Potassium

Ammonium

(Tech., Purified, N.F. and C.P.)

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You can depend on top quality in Halby THIOCYANATES produced synthetically from high grade raw materials.

Inquiries—domestic or export—will be given our immediate attention. Prompt deliveries are assured.

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HALBY CHEMICAL CO., Inc.
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AMMONIUM BICARBONATE

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GAS PURIFYING MATERIALS CO. INC.
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SILICATE OF SODA

40° and 60°
EXPORT — DOMESTIC
TURPENTINE — LINSEED OIL — MINERAL SPIRITS
CHAS. L. READ & CO., Inc., 1 Newark Ave., Jersey City 2, N. J.
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Manufacturers of

Red and Black **COPPER OXIDE**

COPPER SCALE
ROBERT A. COUPE, 260 Rhode Island Ave., PAWTUCKET, R. I.
Telephone PAwtucket 3-4944

Int'l Minerals Appoints Casler to Phosphate Post

Dr. E. T. Casler has been promoted to manager of the Florida operations of the phosphate minerals division of International Minerals & Chemical Corporation.

Dr. Casler replaces Floyd B. Bowen as manager of Florida operations, Mr. Bowen having recently been promoted to production manager for the phosphate minerals division's operations in Florida, Tennessee and Montana. Mr. Bowen's headquarters remain at the division's Florida offices at Bartow.

Dr. Casler joined International in 1942. After a year as staff engineer for the phosphate division, during which he handled assignments on a manganese project in South Dakota and at International's Tennessee phosphate operations, he was appointed assistant manager of the corporation's Florida phosphate department.

Transport Legislation

—*Continued from page 5*

able, and properly regulated rates is disregarded in the complete absence of control over a large part of the bulk-carrying trade."

The commission's criticism began with section 2 of the bill wherein it is proposed by the President's advisory committee to rewrite the statement of national transportation policy, but bore down heaviest on the changes in rate making procedures to place "increased reliance on competitive forces of transportation in rate making."

Recalling that when transportation was dominated by railroads, the practice of charging many times as much "for a ton of diamonds as for a ton of coal" had universal approval, the commission said that under today's conditions strict adherence to such a practice in a carrier competitive situation would be wholly unrealistic.

Greater emphasis must now be placed upon cost and competitive considerations, the commission said.

Warns Against Removal of Curbs

"This does not mean," it added, "that competition should be permitted to run riot or that all existing principles of rate making should be made to give way to an inflexible statute requiring a fixed and rigid course of action.

"We do not quarrel with the view that competition in transportation under present-day conditions should be given adequate play. However, we caution against too great a removal of restraints. Resort to the laws of the jungle with competition in full play will not produce the desired transportation system.

"Complaints against reductions in rates on the claim that they unnecessarily dissipate carrier revenue frequently arise. Those complaints are by railroads against railroads, and motor carriers against motor carriers. They ask protection by the commission against such disruptive practices. If the law were amended as suggested by the advisory committee, this source of redress would be unavailable.

"It seems appropriate to emphasize that in the main the indicated objectives of the advisory committee may be effectuated within the framework of the present statutes. The dominant effect of the proposed legislation would be to permit all rates to gravitate to the bare compensatory level.

ICC Determines Reasonableness of Rates

"In administering the present act, this commission has encouraged healthy competition between different transport agencies and among competing carriers in the same agency. At present, one of the duties of the commission is to determine the reasonableness of rates.

"What are reasonable rates is not delineated in the present act but is left to be determined by certain standards and guide posts provided by the congress. The avowed purpose of congress was to foster sound conditions in transportation required in the public interest.

"What the report proposes and the bill would require is that the duty to establish reasonable rates be maintained, but that the commission be left without power to restrain excesses. We seriously question the prudence of this proposal."

Bids Wanted

Acetic acid, 335 gals., inv. 59, Jan. 4, Contracting Officer, New Cumberland Gen. Depot, Pa.

Benzene hexachloride, 17,000 lbs., inv. 90, Jan. 11, Contracting Officer, Patrick AFB, Fla.

Calcium hypochlorite, for period of one year from date of award, inv. 6500-B, Jan. 5, Gen. Services Adm., Business Service Center, Denver Fed. Center, Denver 2, Colo.

Carbon tetrachloride, 1,055 gals., inv. 59, Jan. 4, Contracting Officer, New Cumberland Gen. Depot, Pa.

Cupric carbonate, 17 lbs., powd., inv. 59, Jan. 4, Contracting Officer, New Cumberland Gen. Depot, Pa.

Iron oxide, inv. 45, Jan. 5, Chief, Purchasing Branch, Joliet Arsenal, Ordnance Corps, Joliet, Ill.

Paint, 1,150 gals. cellulose nitrate dope and lacquer thinner, inv. 108, Jan. 4, Contracting Officer, Norton AFB, San Bernardino, Calif.; 3,069 gals. syn. enamel thinner, 3,458 gals. lacquer and dope thinner, 9,266 gals. mineral spirits, volatile thinner, 1,820 gals. gum spirits turpentine, 900 gals. steam distilled wood turpentine, inv. DA-46913, Jan. 4, Gen. Services Adm., Business Service Center, 1114 Commerce St., Dallas, Tex.; 533 1-gal. cans enamel, type IV, inv. 32, Jan. 5, Contracting Officer, Lima Ordnance Depot, O.; 44,924 gals. syn. gloss enamel, East & West Coast, inv. 383-743, Jan. 16, 44,036 gals. syn. gloss enamel, 888 gals. syn. semi-gloss enamel, inv. 383-743-B, Jan. 16, 20,000 gals. interior, oil type, deck paint, East Coast, inv. 383-647, Jan. 16, 50,000 gals. turpentine, type I or II, East & West Coast, inv. 383-739, Jan. 16, Aviation Supply Office, Navy Dept., 700 Robbins Ave., Phila. 11, Pa.; 30 1-gal. cans exterior and interior, gloss, syn. air drying enamel, 500 1-gal. cans interior, gloss enamel, 16 hour drying, 60 1-gal. cans brushing lacquer, 300 5-gal. cans clear brushing lacquer, 500 5-gal. cans boot topping paint, 20 5-gal. cans deck paint, inv. 6518-A, Jan. 9, Panama Canal Co., Procurement Div., 21 West St., N. Y. 6, N. Y.

Silicon, 14,500 gals., powd., grade II, class C, inv. 21, Jan. 4, N. Y. Chem. Procurement District, 180 Varick St., N. Y., N. Y.

Sodium orthosilicate, 700,000 lbs., overseas pack, inv. CML-25, Jan. 13, N. Y. Chem. Procurement District, 180 Varick St., N. Y., N. Y.

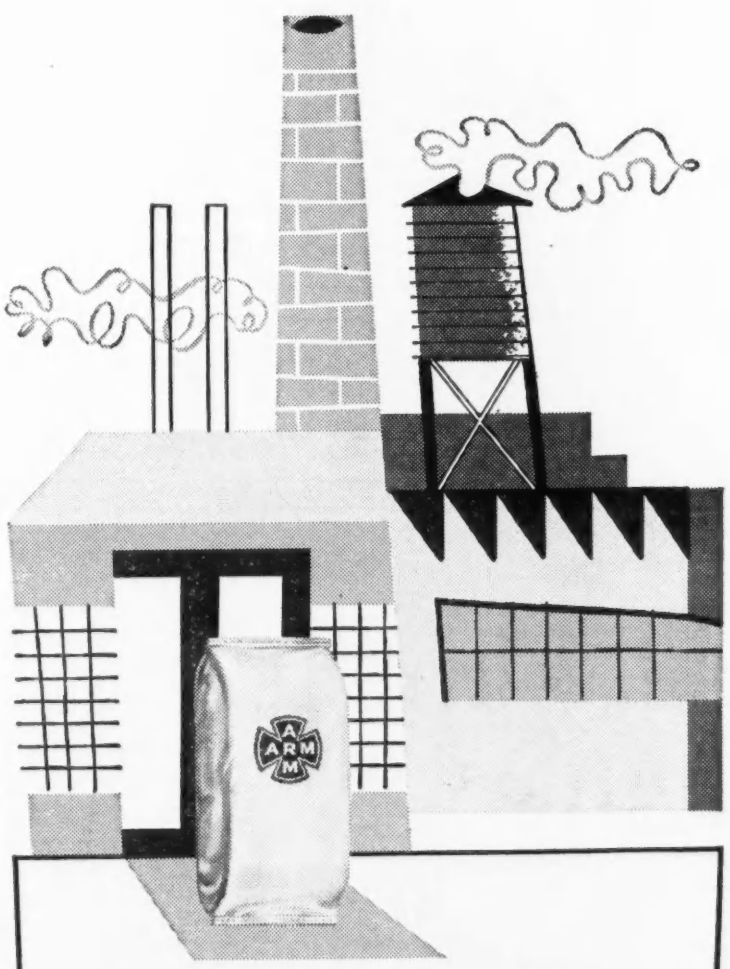
Sodium phosphate, 300 cwt., tribasic, tech., inv. 6585, Jan. 4, Gen. Services Adm., Business Service Center, Denver Fed. Center, Denver 2, Colo.

Sodium silicate, 715 gals., solution, inv. 59, Jan. 4, Contracting Officer, New Cumberland Gen. Depot, Pa.

Sulfuric acid, 60,000 lbs., inv. 55, Jan. 11, Contracting Office, Camp Detrick, Frederick, Md.

Producers of SULPHUR
Uniformly high purity of 99½% or better
TEXAS GULF SULPHUR CO. Inc.
75 E. 45th Street New York 17, N.Y.
Mines: Newgulf and Moss Bluff, Texas

FAST SERVICE ON NITROGEN
Arcadian
Ammonia Liquor • Anhydrous Ammonia
A-N-L Fertilizer Compound
Sulphate of Ammonia • Urea Products
Nitrate of Soda • Nitrogen Solutions
12-12-12 Granular Fertilizer
NITROGEN DIVISION Allied Chemical & Dye Corporation
40 Rector St., New York 6, N. Y.
Plants at Hopewell, Virginia • Ironton, Ohio • Omaha 7, Nebraska



RIGHT AT YOUR FRONT DOOR and RIGHT IN YOUR PLANT
From the largest producer with the most complete line of phosphates and photo-pure chemicals in the West.
ARMOFOS (tripoly) • TRISODIUM PHOSPHATE
DISODIUM PHOSPHATE • DRI-TRI (anhyd. tsp)
TETRASODIUM PYROPHOSPHATE • MONOSODIUM PHOSPHATE
PHOSPHORIC ACID • SODIUM ACID PYROPHOSPHATE
SULFITE-HYPO-CARBONATE • ANHYDROUS HYPO
Write for descriptive folder.
Maas
A. R. MAAS CHEMICAL CO.
Division of Victor Chemical Works
4570 Ardine Street • South Gate, Calif.

P.C.A.
The SALT of the EARTH
RED MURIATE
Producers of
Agricultural and Chemical Grade
MURIATE OF POTASH
POTASH COMPANY OF AMERICA
Carlsbad, New Mexico
General Sales Office... 1625 Eye Street, N. W., Washington, D. C.
Midwestern Sales Office... First National Bank Bldg., Peoria, Ill.
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POTASSIUM CHLORIDE for the
CHEMICAL and FERTILIZER INDUSTRIES

CHEMICAL GRADE MURIATE OF POTASH
62.73% K_2O (99.3% K CL) MINIMUM

HIGRADE MURIATE OF POTASH 62/63% K_2O

GRANULAR MURIATE OF POTASH 60% K_2O MINIMUM

SUNSHINE STATE POTASH — A PRODUCT OF NEW MEXICO U.S.A.
Reg. U. S. Pat. Off.

UNITED STATES POTASH COMPANY
Incorporated
30 ROCKEFELLER PLAZA,
NEW YORK 20, N. Y.

PROPER CONDITIONERS PROVE PROFITABLE AND BUILD GOOD WILL

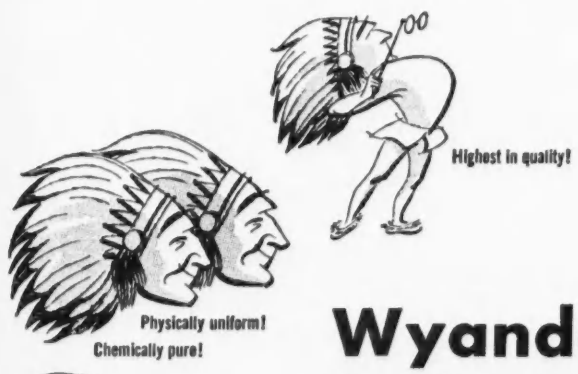
Prompt and future shipments — Your inquiries invited

Telephones WOodlawn 6-2300 Phila.: LOmbard 3-2288

THE DICKERSON COMPANY 130 North Broadway Camden 2, N. J.

SODIUM SULPHITE

E. M. SERGEANT PULP AND CHEMICAL CO., INC.
7 DEY STREET — Established 1867 — NEW YORK 7, N. Y.


Highest in quality!
Physically uniform!
Chemically pure!
Widespread distribution—strategically located!
Quick, economical delivery—by bag or carload!
Technical service men await your call!
Sixty-four years experience producing Soda Ash!

Wyandotte Soda Ash is wonderful!

For Soda Ash, call on Wyandotte!

Wyandotte CHEMICALS
HEADQUARTERS FOR ALKALIES

WYANDOTTE CHEMICALS CORPORATION, WYANDOTTE, MICHIGAN • *Offices in Principal Cities*

Agricultural Chemicals

The holiday atmosphere discouraged trade during the week. This factor, combined with the usual seasonal dullness which pervades the market at this time, brought trading to a near standstill. There was some hope that demand from mixers would materialize in the near future, but as yet there was little show of interest on the part of consumers. The animal protein market was desultory, with tankage rising at New York and declining at Chicago.

Lack of demand in the midwest brought dried blood prices down during the week. Stockfeed inquiry was maintained at a fairly good level for vegetable meals due to cold weather.

Anhydrous ammonia inventories at the end of October showed an increase of 16,874 tons over September 30 figures, according to the Bureau of Census.

Synthetic technical ammonium sulfate stocks were higher by 26,156 tons in October. Fertilizer grade ammonium nitrate stocks rose 21,114 tons in October.

Cokeoven ammonium sulfate supplies continued heavy, and producers looked to the forthcoming Korean tender, due the middle of this month, for some relief from the burdensome supply position.

Producers of phosphate rock were still cautious about raising prices, preferring to absorb increases in fuel oil and labor rather than to pass costs on at a time of sluggish demand.

Potash producers noted no significant change in the market during the week. Expected demand for mixing so far has failed to live up to earlier predictions.

Pesticides were dull and featureless, as little attention was paid the market during the holiday season.

Price Trends

Advanced
Tankage, N. Y., 25c. per unit-ton.

Reduced
Blood, dried, Chicago, 25c. per unit-ton.
Tankage, Chicago, 25c. per unit-ton.

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
111.86	111.87	112.94	109.37

For Current Prices see Page 9

Animal and Plant Foods

Ammonia, Anhydrous—Final figures from the Bureau of Census for October show production at 265,926 tons, higher than the 231,954 tons (revised) for September.

Production in October, 1954, was only 230,098 tons by comparison. Stocks on hand at the end of October rose to 120,693 tons from 103,819 tons in September.

Buying interest was dull due to the combination of the holiday season and the usual seasonal lack of demand at this time.

Ammonium Nitrate — Production of fertilizer grade ammonium nitrate in October rose sharply to 149,723 tons from 119,961 tons in September.

Production in October, 1954, was 142,833 tons. Stocks in producers' hands at the end of October increased to 189,086 tons, as compared with 167,972 tons on hand at the end of September.

Output of all other grades was 31,014 tons in October, 30,021 in September, and 20,401 in October, 1954. Stocks on hand at the end of October were 10,664 tons, and September, 10,976 tons.

Ammonium Sulfate — Cokeoven supplies remained heavy owing to the high operating rate of cokeovens corresponding to record-breaking steel production.

Synthetic sulfate supplies were not as cumbersome, and some producers reported that their output was fairly well committed for the next few months.

This situation applied particularly to producers in the Gulf and west coasts, where a good amount of synthetic sulfate has been moved for export during the past few months.

The coming Korean tender, due the middle of this month, was expected to be of some help in alleviating the currently long supply position of cokeoven sulfate.

Animal Protein—A slight amount of activity was noted during the holiday season, but trading was generally quiet. A pickup was hoped for as mixers are expected to order in the near future.

The market for dried blood and tankage was desultory. Chicago dried blood declined 25c. per unit during the week, and was offered at $4.75 per unit, reaching its lowest level since June 6.

Tankage at Chicago was also off to $4.75 per unit. This was equal to the November 28 low for the year. At New York, however, tankage rose to $4.75 per unit.

The market for fishmeal and scrap was dull and featureless, as little or no trading transpired during the holiday week. Meal was offered unchanged out of Baltimore, at $153 per ton, and scrap, $148.

Castor Pomace—Scattered lots of pomace were offered at $40 per ton last week, but there was little demand.

Crushing operations continued to be subject to sporadic imports of beans. Imports of castor oil continued to overshadow the castor pomace market, due to comparative economics.

Phosphate Rock — The higher grades of rock were felt to be in fairly close balance with demand, by comparison with lower grades, which were quite plentiful.

The trade believed that there were two main reasons for the close balance in high grades:— 1) the phosphate strike which lasted most of the summer and took out substantial production, and 2) increased demand for higher grades necessitated by production of triple superphosphate.

The situation further bore out the accent on high analysis fertilizers, which can be shipped for the same freight rates as materials of lower analysis.

Producers continued to hold the line on phosphate rock prices despite recent increases in the cost of labor and fuel oil. No one was willing to make a move in the face of current sluggish demand.

Potash—There was a little interest from mixers, but generally the holiday season put the damper on any possible large scale trade.

While no real interest has yet materialized for spring mixing, potash producers hoped that demand would revive late this month.

Sodium Nitrate—This market remained steady, as both imported and domestic nitrate held to the pattern which has been established over the past few years.

Prices remained without change. Importers of nitrate continued to build stocks in preparation for spring demand for top and side dressing of cotton and similar crops.

Los Angeles Market

Superphosphate listings changed to $28.50 per ton for regular grade and $30.50 per ton, pelletized, both in bulk, delivered California points. Ammoniated and triple superphosphate were unchanged.

Pesticides

Neither the domestic nor the export market showed much in the way of demand during the week. Tetraethyl pyrophosphate was slated to advance 4c. per pound effective January 1. This price change affected only the 40 percent material.

Petroleum Derivatives

Other than a price advance in the group three area for propane last week, there were no quotation variations. Many of the solvents and diluents continued to show strength because of the firmness shown in the automotive industry. Included in this group are benzol, toluol and xylol. Microcrystalline wax also continued to look very good, though its strength was attributed, as it has been in the past, to the tremendous strides made by the wax container industry.

The daily average production of natural gas liquids in October was 31.4 million gallons, 8 percent greater than during October, 1954, according to the bureau of mines. The daily average production of liquefied gases at refineries was 5.4 milion gallons per day, 60 percent higher than a year ago. The demand for liquefied gases for fuel and chemical uses was 30 percent greater than during October, 1954, but was slightly less than during September, 1955. Deliveries of natural gasoline and liquefied gases for use in fuel blending were 3 percent above a year ago in October. Stocks of liquefied gases totaled 527 million gallons, an increase of 24 million gallons during the month. Liquefied gases stored underground accounted for 387 million gallons of the total.

Domestic demand for oil products averaged 8,363,000 barrels a day in 1955, an increase of 611,000 barrels a day in 1954. It was the first time domestic demand, on an annual basis, averaged more than 8,000,000 barrels daily.

The nations petroleum supply showed a proportionate gain, increasing 643,000 barrels a day for an over-all average of 8,722,000 barrels daily. Year end stocks of both crude oil and refined petroleum products totaled 709,000,000 barrels, a decrease of about 5,250,000 from a year ago. While stocks of natural gasoline and refined products increased slightly during the year, the rise was more than offset by a decline in stocks of crude oil. World wide production of crude oil jumped 529,000,000 barrels in 1955 to a record high of 5,520,000 barrels.

Price Trends

Advanced

None

Reduced

None

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
104.37	104.37	103.32	104.42

For Current Prices see Page 9

Solvents and Diluents

Benzol—The market for this product continued strong last week, dealers noted. Automotive industry reports of continued high level production into at least the first three months of next year has given a stability to the market that it hadn't had throughout the year. Production, due to the high-speed pace of the steel industry, has continued very heavy. Styrene and synthetic phenol continued to be major factors in the consumption of the commodity.

Rubber Solvents—This commodity continued to show good strength last week, it was reported. Expansion of usage by producers has been cited as the prime reason for the firmness of the market. Domestic consumption of synthetic rubber for 1955 is expected to reach a figure of about 840,000 long tons. This would represent about 56 percent of the estimated total new-rubber consumption in the United States this year. Plans to expand synthetic rubber plants during the next year have been announced by a number of producers.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 17 totaled 258,059,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 256,920,000 barrels for the preceding week this represents an increase of 1,139,000 barrels comprising an increase of 1,656,000 barrels in stocks of domestic crude and a decrease of 517,000 barrels in stocks of foreign crude.

Toluol — Production, resultant of the continued heavy demands upon the steel industry, has remained at a very high level. Consumption, because of earlier contractural commitments, has been maintained at a somewhat easy level; a good deal easier than dealers would like. Loss of the government market to a great extent has been the destructive factor in this market. Rumors to the effect that some producers might leave the market when commitments have been fulfilled, toward the end of the coming year, have been noted by some dealers.

Xylol—This has been considered a relatively firm market for the past few weeks, it was noted. Demand for paint products has been building up and with it has developed the resultant demand for xylol. Also, the continued strength in the automotive industry has made for some stability of demand. Automotive manufacturers have been marked as commenting that production would continue at its present high level at least into the first three months of next year. Production, in keeping with the speedy pace of the steel industry, was heavy.

Lighter Fractions

LPG's — October production for propane, according to statistics compiled by the bureau of mines, only slightly outdistanced demand. Production, including material at both plants and refineries, totaled 308,007,000 gallons. Demand for October was 280,641,000 gallons. Stocks also showed some advancement, it was noted. The figure of 310,054,000 gallons quoted for underground stocks on October 31 contrasted favorably with the 285,376,000 gallons figure for September 31. L. R. G. stocks at refineries were noted at 16,002,000 gallons for October and 13,314,000 gallons for September.

Propane sales continued excellent last week, dealers noted, promises of a long winter prompting more future sales than had been earlier anticipated. Day to day sales also stood very strong, particularly in the reaches of the recent cold snap.

Group three prices advanced .3c, it was noted, to a 9.3c. per gallon quotation.

Waxes

Microcyrstalline — This firm wax market continued to show the best growing area of consumption in the petroleum derivatives industry. Because of the spreading usage of wax cardboard containers, it was noted, the demand for microcrystalline has also shown advancement. A major contributing factor has been considered the growth of the export market, side by side with that of the domestic market. Though the former is not nearly as large as the latter, it is growing at a much greater rate of speed, one producer noted. Primary sales target has been the South American market.

Paraffin—The market for paraffin wax continued to show some easiness, though dealers considered it to be in better condition than it was a month ago. Production is good; sales showed strength in some isolated areas. There were no quotation changes.

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Aliphatic Organics

A considerable number of chemicals, mostly organic solvents, were advanced in price last week. Included in the group were ethyl and isopropyl alcohols, which were advanced 2 cents per gallon, across the board; carbon disulfide, increased 10 cents per hundred pounds, in tankcar shipments only and synthetic glycerin, which was hiked 1 cent per pound in drums. The remainder of this group consisted almost entirely of solvent materials all of which were increased ½ cent per pound. The following compounds fell into this category; of the alcohols, synthetic amyl, butyl, isobutyl, secondary butyl, propyl and methyl amyl. The following acetates were also included:—synthetic amyl, ethyl, butyl, isobutyl, secondary butyl, propyl, methyl amyl and isopropyl as well as diisobutyl, methyl ethyl and methyl isobutyl ketones.

The increase in carbon disulfide was expected to prove a boon to some consumers, according to one major producer in view of the fact that shipping terms were changed, effective January 1, from a f.o.b., freight allowed basis, to a delivered basis. In many instances, it was said, the total cost to the consumer will be lower than it had been under the former setup.

The hike in the drum price of synthetic glycerin was not unexpected in the trade and followed an earlier and similar increase by the producers of natural glycerin which was made last November when they switched to a drums included shipping basis from a drums returnable basis.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
130.68	130.68	130.73	130.44

For Current Prices see Page 9

Acetic Anhydride — The market was unchanged, pricewise, last week. Inquiry was reported to be appreciable while supplies were adequate to cover consumer needs for the most part.

The Tariff Commission recently reported that production of acetic anhydride totaled 66,298,847 pounds in September compared to 69,498,553 pounds in August.

Acetone—Demand for acetone was reported to be running at heavy levels. Supplies were adequate to cover current trade requirements while prices were firm in face of sustained demand.

The production of acetone was reported to have totaled 49,777,942 pounds in October, 1955 compared to 47,542,892 pounds in September, according to the Tariff Commission.

Alcohol—The market continued in an excellent state. Demand was heavy and consumption has been running at substantial levels and seemed destined to continue well into the new year. One major producer of alcohol has been using alcohol to make butadiene in recent months as a result of the tightness in petroleum—based butadiene caused by the heavy demand for synthetic rubber over the past year. How much alcohol will go into butadiene manufacture was conjectural but its use has revived a segment of alcohol demand which has been non-existent in recent years.

The substantial volume of alcohol consumed and the sustained demand for it were reflected in the price hike of 5 percent which went into effect on ethanol January 1. The increase was followed by all known producers, having been previously announced as early as last November. The result has been a corresponding heavy demand for alcohol in that period as consumer moved to build up their inventories at the former, lower price. All grades of specially denatured and completely denatured, as well as proprietary grade of ethanol were affected.

Amyl Alcohol—Price schedules were advanced ½c. per pound on synthetic amyl alcohol and acetate effective January 1. The increase was in line with higher costs of production and was included in a substantial group of organic solvent increase.

Fermentation amyl alcohol and acetate continues in tight supply and was not affected by the increase in the synthetic amyls. Overall demand for amyl solvents was reported to be excellent and was expected to continue in the immediate future.

Butyl Alcohol—Demand for butyl alcohol was reported to be excellent. The high rate of industrial production particularly in the home appliance and automotive industries has pushed the use of lacquers, and consequently their solvents, to peak levels. Supplies were reported to be ample to cover trade requirements nor was any shortage anticipated in the coming year. Productive capacity was believed to be more than adequate to meet any anticipated increase in consumption.

Prices were advanced ½c. per pound last week on butyl, isobutyl and secondary butyl alcohols and acetate. The increase was in conjunction with a host of similar price hikes in the solvent group on January 1. Production of normal butyl alcohol was reported to have totaled 18,409,719 pounds in October compared to 19,414,949 pounds during September, 1955, the Tariff Commission recently reported.

Carbon Disulfide — Demand for carbon disulfide continued good last week. Supplies were ample to cover trade requirements and expected to continue at least through the first quarter.

Prices were advanced 10c. per 100 pounds on tankcar quantities on January 1. The increase, it was explained, will be advantageous to a number of consumers, since shipping terms were simultaneously changed to a delivered rather than an f.o.b. freight allowed basis. In many instances, the net cost to the consumer will be less than formerly, despite the higher price prevailing. The current price was $5.25 per 100 pounds.

Production of carbon disulfide amounted to 50,291,774 pounds in October compared to 46,556,499 pounds during September, according to the Tariff Commission.

Ethyl Acetate—Demand for ethyl acetate was reported to be moving at good levels last week. Supplies were ample to meet consumers' needs and expected to continue in the immediate future.

Prices were advanced ½c. per pound on January 1. The increase was attributed to higher manufacturing costs, and was one of several in the field of organic solvents.

Production of ethyl acetate (85 percent) amounted to 7,808,661 pounds in October, according to the Tariff Commission, compared to the 7,765,033 pounds turned out during September, 1955.

Glycerin — Synthetic glycerine producers advanced their quotations 1c. per pound, effective January 1, on less than carlot and carlot drum quantities only. The former price differential of ½c. and 1c. per pound over the tankcar price had long been considered inadequate in view of the long standing policy of the major synthetic glycerin producer of including the drums in the delivered price. On November 1, producers of natural refined glycerin advanced their quotations on drums 1c. per pound to cover the increased cost of their change in policy on that date in shifting from a drum returnable to the drums included basis upon which synthetic producers had been operating.

The advance in synthetic glycerin prices on January 1, brought the

Aliphatic Organics

current schedule to 30c. in tank-cars, 31½c. in drum carlots and 32c. in less than carlot quantities. It was noted that although the synthetic material was priced 1c. higher than natural glycerin that the glycerol content of the former was 99 percent compared to a 95 percent glycerol content in the USP, CP natural glycerin grade.

Exports of glycerin during October amounted to 1,559,000 pounds compared to 560,000 pounds in September and 1,794,000 pounds in October, 1954. The cumulative total for the first ten months of 1955 is 8,814,000 pounds compared to 15,137,000 pounds exported in the corresponding period last year.

Disappearance of glycerin during the month of October aggregated 21,014,000 pounds compared to 19,757,000 pounds in September and 20,271,000 pounds in October. The January-October cumulative of glycerin disappearance totaled 195,223,000 pounds compared to 185,245,000 pounds in the first ten months of last year.

Isopropyl Alcohol—Prices were advanced 2c. per gallon on isopropyl alcohol effective January 1. The increase was in line with a similar price hike in ethyl alcohol and an overall increase in the prices of organic lacquer solvents on that date. All producers went along with the advance, it was noted. Higher costs of manufacture were said to have made the rise necessary.

Isopropyl acetate, propyl alcohol and propyl acetate were advanced ½c. per pound on January 1. Demand for these solvents was reported to be generally good while supplies were adequate.

Methyl Ethyl Ketone—Prices were advanced ½c. per pound last week, effective January 1, in line with a host of other such increases in the organic solvents group. Demand for methyl ethyl ketone has been running at an excellent rate and consumption was expected to continue heavy well into 1956.

Methyl Isobutyl Ketone—Demand for MIBK was reported to be good. Supplies were adequate to cover current needs while prices were advanced ½c. per pound last week, effective the first of the year. The increase was attributed to higher production costs all along the line.

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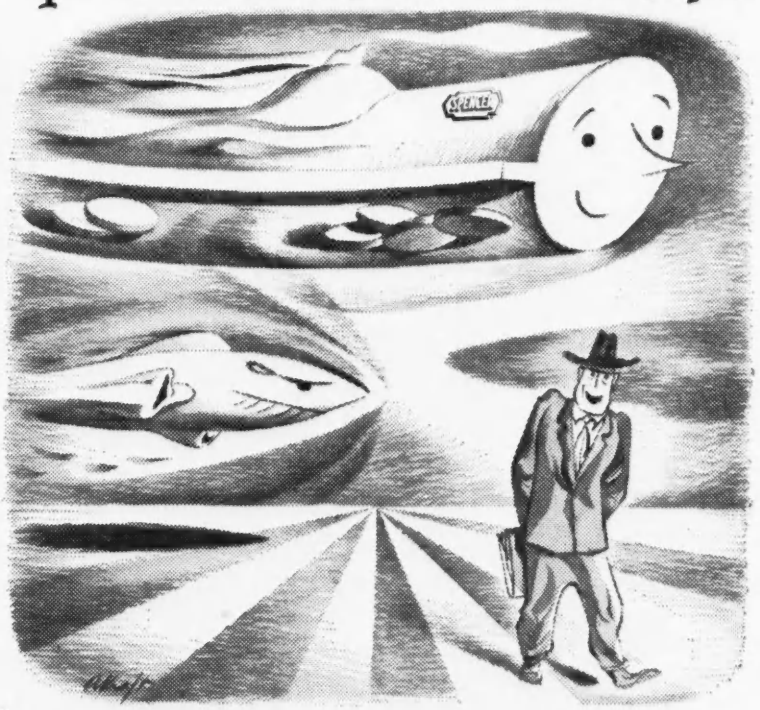

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Coal Chemicals

The seasonal decline in sales activity appeared last week to be uncommonly moderate. Cokeoven operators and tar distillers were gearing operations to trade during the next six months in the same volume experienced in the last quarter of 1955. The new prices for cresols and cresylic acid were going into effect quite generally. Leading producers announced price increases also for p-aminophenol; both the oily and the 63-degree, refined grade of 2,4-dinitrotoluene; m-phenylenediamine; benzidine hydrochloride; o-tolidine paste and o-tolidine hydrochloride paste. Increases in these intermediates were made immediately effective on spot orders and were to be applied to contracts beginning January 1.

Trade sources thought that the disparity between supply and demand for naphthalene had narrowed somewhat. The strong secondary markets of toluol were seen lessening the inventory problem for that product. Benzol and the phenols were reported to be in balance. The position of xylol varied from one locality to another. It was said to be short in some quarters, in balance in others. Phthalic anhydride was still moving well, and the supply situation was improving.

Producers were confident that the prospective decline of automotive production would not affect the coal chemicals market too severely. The predicted cutbacks would still leave automotive production at a high level, and it was believed that the supplying industries were too well diversified to be critically dependent on any one industry. The non-automotive markets for styrene, for example, were expanding rapidly.

The American Iron and Steel Institute estimated steel production for the week ending January 1 would amount to 95.0 percent of theoretical capacity. That is equivalent to production of 2,292,000 tons of steel, compared to 2,338,000 tons produced in the week previous, 2,356,000 tons produced in the corresponding week last month and 1,850,000 tons produced in the same week in 1954.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
114.62	114.62	114.60	114.59

For Current Prices see Page 9

Basic Products

Benzol—The market was still in good balance last week. For the most part, consumers were able to get deliveries as desired, and there was little evidence of any soft spots. Production was letting up slightly, as expected at this time of year, but it was still maintained at a very high level. Almost no output was available for stock accumulation. The current price was being quoted in new contracts and was expected to remain in effect for at least another three months.

Cresols — Trade maintained a steady pace last week, marking no change from the healthy position that has prevailed in recent months. Production was still at a high level, and demand was again equal to it. Cresylic resin manufacturers continued to draw off most output. It would be some time yet, in the view of trade sources, before it could be determined how the market might react to the higher prices going into effect this week.

Cresylic Acid—Demand continued to match production as the new, higher prices were announced in all major markets. There was still no action concerning prices on the part of petroleum producers and importers. There was a ready market here for the better grades of imported acids, those containing meta and meta-para cresols, but trade in imported mixed xylenols was reported to be slow in some quarters. The over-all market position was said to be sound.

Naphthalene—Trade sources said that high production yields had come a long way by last week towards overcoming the shortage of naphthalene and that the pinch was appreciably less than it had been. Consumers were still buying up domestic production as fast as it appeared, but no sales were being registered by European producers, whose agents in this country were offering to make first and second quarter contracts at around 8c. a pound. Sources behind the Iron Curtain were reported ready to sell substantial tonnages at a shaded import price, variously somewhere around 7½c., but apparently they weren't getting any business here. Demand for domestic output was still urgent. The domestic price was steady at the previously quoted level.

Phenol—Production, recently augmented by the additional output from the cumene process, was maintaining a fast pace, and supplies were considered abundant. Strong demand was sustained, and virtually all output was moving directly out to consuming channels. The position of this market in general was considered stable, trade sources predicting the next several months would see little if any change. Natural phenol was being sold up promptly. Prices were unchanged and steady.

Toluol—The condition of this market was again soft, but a good secondary outlet to aviation gasoline was providing a firmer undertone. Sales volume was again as good as could have been expected. The cokeoven source problem was inflexible high production, and this was easing off slightly, if only temporarily, as the calendar year came to a close. Stocks had grown to rather substantial dimensions, but there wasn't any indication of softening in the price, which was expected to stay where it was for at least a few months longer.

Xylol—Industry sources said that xylol was rather tight in some localities, but reported that the market was in balance generally. Demand was undiminished from the strong position maintained during the past several months. The current level of prices was being written into new contracts last week and was expected to remain in effect at least through the first quarter of business in 1956.

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending January 1 was as follows:—

Ammonia liquor, NH_3	lbs.	1,071,849
Ammonium sulfate	lbs.	38,678,437
Benzol	gals.	3,705,535
Coaltar	gals.	16,965,878
Creosote oil	gals.	949,352
Naphthalene, crude	lbs.	2,618,374
Pyridine, refined	lbs.	27,562
Toluol	gals.	728,837
Xylol	gals.	194,464

Intermediates

p-Aminophenol — An 18c. per pound price increase has been announced, raising the price per pound from 97c. to $1.15. The advance was made effective immediately on spot orders and was to be applied to contracts beginning January 1.

Aniline—Increased buying interest, in particular for use in manufacture of synthetic rubber, has sus-

tained the brisk demand here. Explosives, pharmaceuticals and dyestuffs intermediates for the textile industry have drawn off good volume, and some material was moving into hydroquinone. Supplies were said to be adequate. Prices were unchanged.

Benzidine Hydrochloride — The contract price will be increased 5c. from $1 to $1.05 per pound, on less than carlots, effective January 1. The increase is immediately effective in the case of spot orders. The carlots price will be $1.03 a pound. At the same time, it was announced that the sulfate, technical grade, will be sold at $1.05 a pound on a 100 percent basis, freight allowed, effective immediately on spot orders and January 1 on contract.

o-Dichlorobenzene—This intermediate continued to move fairly well last week. Supplies were considered abundant. The price was unchanged and considered to be stable at the level currently quoted.

2,6-Di-tert-Butyl-p-cresol — The market continued firm last week. Consumers generally were getting what they wanted, but it was reported that they had to shop for it a bit in some areas. Demand was strong and diversified. The price appeared to be stable at the current level.

2,4-Dinitrotoluene — It has been announced that prices will be increased, effective January 1 on contracts and immediately effective on spot orders. Oily 2,4-dinitrotoluene will be increased from 10c. to 11c. a pound, while the 63-degree refined grade will be hiked 2c., from 21c. to 23c.

m-Phenylenediamine—Major producers have announced that the price will be increased 5c. from 90c. to 95c. a pound, effective January 1 on contract and immediately effective on spot orders.

Phthalic Anhydride — Trade was lively right up to the end of the calendar year, indicating that consuming industries were less inclined than usual to trim down inventories in order to favor their balance sheets. Growing demand abroad and the squeeze on naphthalene supplies were operating to keep the phthalic market active. On the other hand, trade sources believed that some easing was to be expected as a result of the automotive industry's curtailing production and the incursions of isophthalic acid. Phthalic output continued high, and supplies were generally adequate at this season. The price was steady at the previously quoted level.

Salicylic Acid — Strong demand for manufacture of aspirin and other analgesics continued without let-up, while growth was indicated in the market for the salts used as light stabilizers in plastics manufacture. Production was continued at a rate sufficient to maintain balanced supply. Prices on all grades were unchanged, but one major producer liberalized shipping terms somewhat, to allow freight charges to all points rather than to a limited number of industrial centers only. Pacific Coast prices on the crude and technical grades were established at 3c. over the corresponding East Coast prices. The same producer had previously established a price for USP on the Pacific Coast, also 3c. above the price obtaining in the East.

o-Tolidine — A 5c.-a-pound increase for the paste, sold on a 100 percent basis, has been announced by major producers. The increase is from $1.30 to $1.35 a pound. The hydrochloride paste, on a 100 percent basis, will also be priced at $1.35 a pound. The new prices were effective immediately on spot orders and were to have been applied to contracts January 1.

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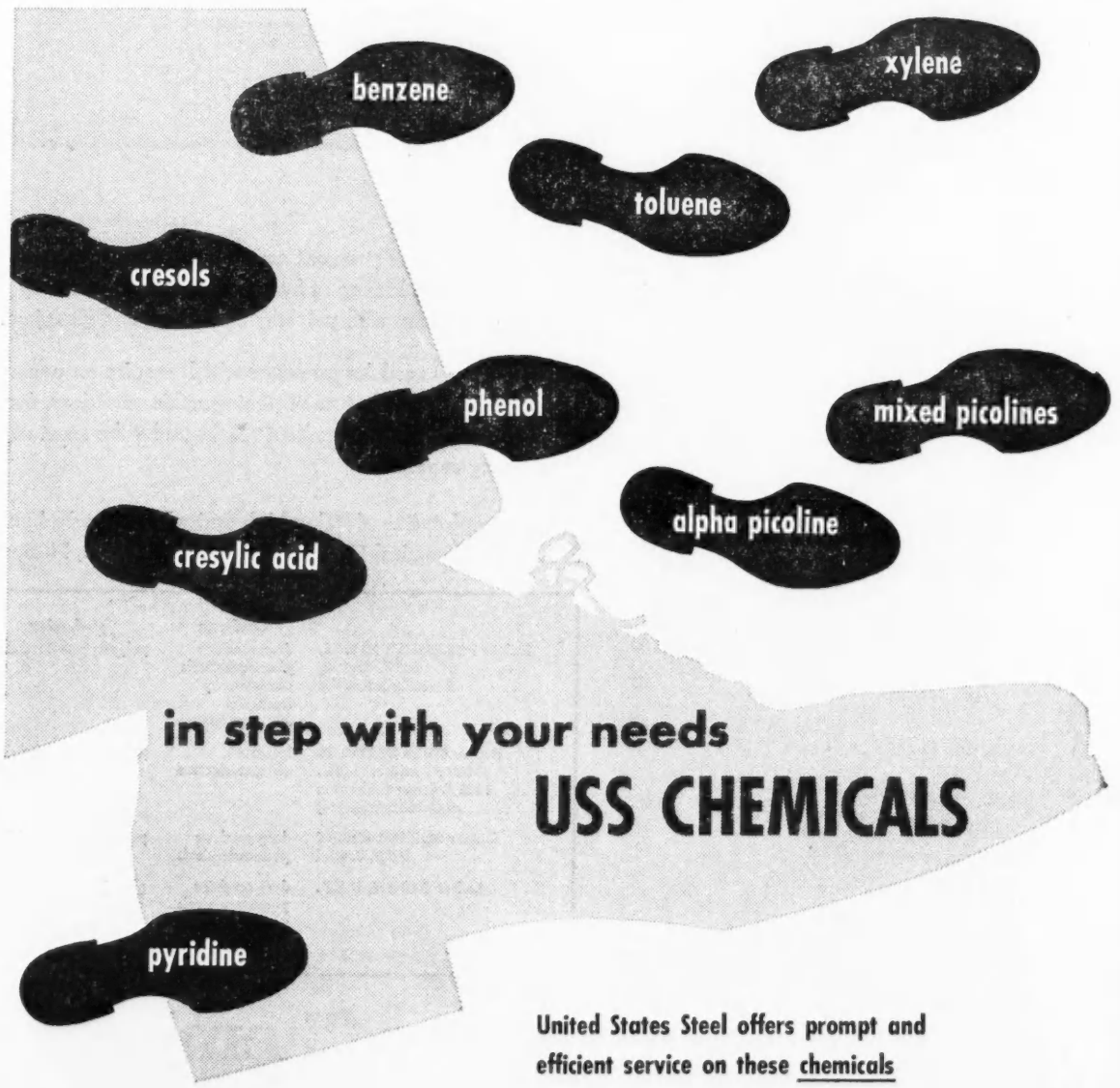

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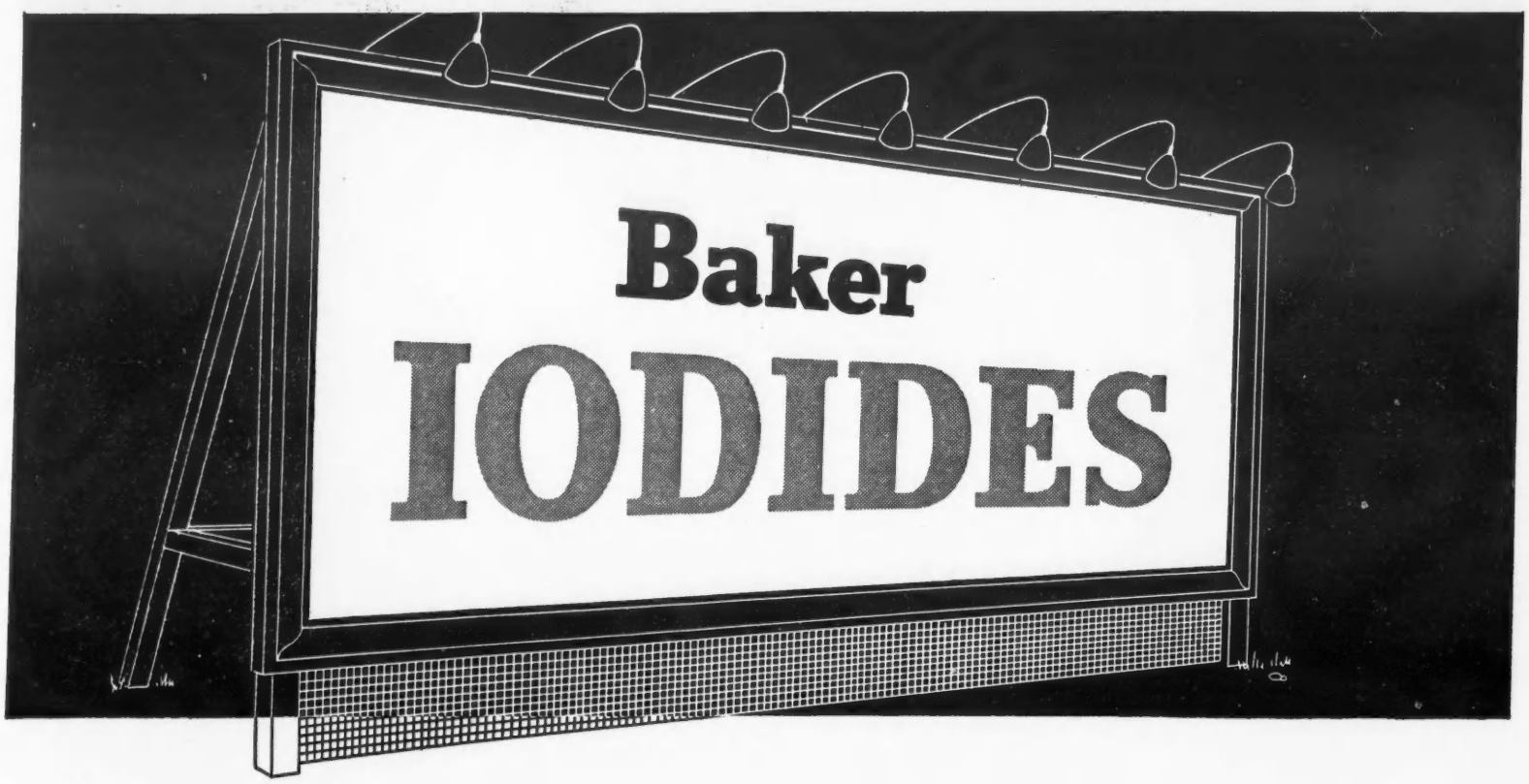

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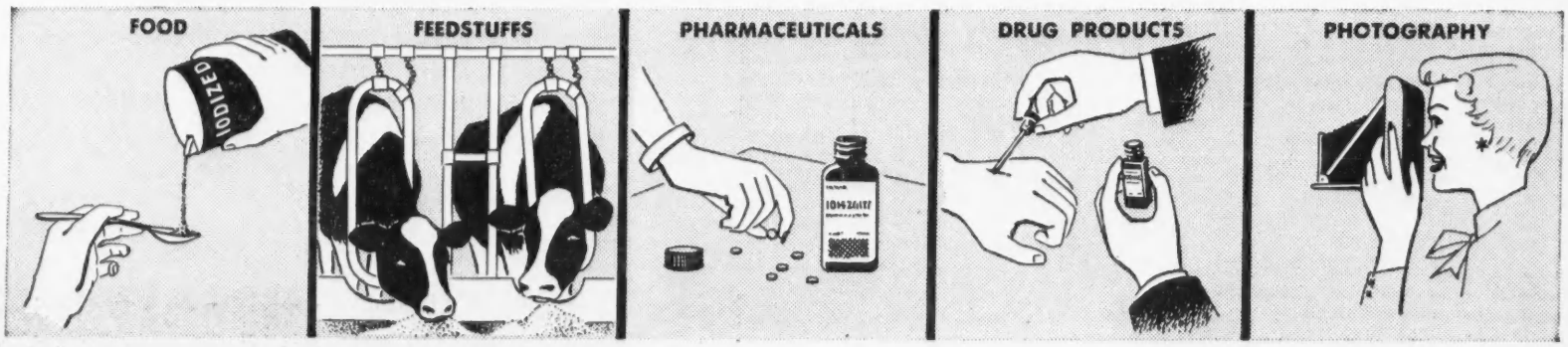

Drugs, Fine Chemicals

The market continued quiet last week, insofar as volume of activity and number of price changes were concerned. There were no changes in spot prices noted although technical grade tannic acid was advanced 10 cents per pound, effective January 1, on contract sales. Earlier in the month, spot prices had been changed for this grade, it was noted. The supply outlook for tannic acid consumers was not too optimistic in view of the tense situation currently existing in the Middle East. Syria was reported to be the major source of nutgalls, the raw material used in tannic acid manufacture. Any outbreak of full-scale war in that area could be expected to severely curtail if not shut off the flow of supplies from that country, it was feared. As a result, demand for tannic acid was good as consumers strove to build up their inventories against this eventuality or also against what appeared quite probable, further price rises in raw material costs in the coming year.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Jan. 1, 1955
66.41	66.41	66.42	66.96

For Current Prices see Page 9

Inquiry for a host of bulk drug and fine chemicals was reported to be moving at excellent levels. There were, however, some items on which excess production has forced the market lower, notably reserpine. Production capacity has been expanded to such an extent as to result in more intense competition among manufacturers. Although temporarily in oversupply, many producers were confident that demand would catch up with output in the not too distant future once the full capabilities of this drug are more widely exploited. Although there had been some trade rumors of prices lower than currently quoted, they appeared to be without foundation last week.

The antibiotics group, on the whole, appeared to be moving at a brisk rate of demand. The excessively cold winter which has been predicted this year has given an added impetus to consumers to stock up on cough and cold remedies. Items such as aspirin, and caffeine were accordingly in good demand. Prices were firm on virtualy all drugs and expected to hold steady during the coming quarter in view of the large number of items which underwent price revisions during the past month.

Acetanilide — Demand for USP grade acetanilide was reported to be running at routine levels. Supplies were ample to cover current requirements while prices were unchanged.

Production of USP and technical grades of acetanilide combined amounted to 227,400 pounds in September, according to the United States Tariff Commission.

Antibiotics—The market was seasonally active last week with consumer interest in penicillin and streptomycin at a brisk rate. There has been some slowup in the volume of business done as a result of the holiday-shortened week, however. Supplies were reported adequate to cope with inquiry and were expected to continue in the immediate future. Production facilities for the manufacture of antibiotics were said to be sufficient at present to fulfill current requirements in addition to any anticipated increase. Plant expansion in penicillin facilities in conformity with the government's expansion goal on pencillin has been completed, it was noted.

There were high hopes in the trade that the coming year would see an even greater increase in the overall consumption of penicillin and streptomycin in non-pharmaceutical applications. The use of streptomycin in the treatment of certain plant diseases in the past two years has appeared to have had enough success to warrant further research and application in that field. Penicillin consumption for veterinary purposes continues to be quite a large and important factor in the overall picture and strides in this sphere are being constantly advanced.

Production of streptomycin in October totaled 6,286,223 grams, according to the Tariff Commission compared to 5,809,909 grams in September. Production of dihydrostreptomycin aggregated 10,682,471 grams in October compared to 13,579,245 grams in September. Production of penicillin and salts (bulk material only) amounted to 26,920,520,000,000 international units in October compared to 23,200,877,000,000 units during September this year.

Ascorbic Acid—Demand for ascorbic acid was seasonally brisk, according to manufacturers. Considerable ascorbic acid is used in the formulation of multi-vitamin preparations, which are quite popular during the cold weather months when colds and coughs predominate. Consumption of ascorbic in the food field is also considerable, it was noted. Supplies of ascorbic acid were adequate to meet current requirements while prices were steady.

Production of ascorbic acid and salts totaled 182,554 pounds in October compared to 241,800 pounds in September, according to the Tariff Commission.

Caffeine—Inquiry for caffeine was running at seasonally brisk levels in its pharmaceutical applications, according to trade sources. Aside from considerable usage in the manufacture of certain type soft drinks, its consumption in pharmaceutical manufacture is moving in substantial volume.

Caffeine is a major ingredient in the manufacture of so-called "APC" pills which are consumed in substantial amounts during the cold weather months as a cold remedy. Supplies of caffeine were reported to be ample to meet current needs and were expected to suffice for consumer needs in the immediate future. Prices were steady and unchanged.

Molasses—Feed molasses demand improved as the market was steady to firmer during the week ending December 20, 1955. Cane blackstrap prices advanced ½ to 1c. per gallon at several east coast terminals. West coast blackstrap prices were increased from $23 to $24 per ton as a generally good demand prevailed. Prices at all other points continued steady and unchanged with moderate-to-good demand. Beet, hydrol and citrus molasses was in short supply as demand continued strong at most points. Domestic sugarcane production for 1955 is estimated at 6,900,000 tons, about 1 percent above last year's production. Sugar production from cane, however, is expected to total only 580,000 tons, compared with 610,000 tons last year. This may tend to increase the molasses yield from the current crop.

Production of blackstrap from the 1954 crop amounted to 46,100,000 gallons. The 1955 beet crop will be about 11 percent below last years record crop, as beet sugar production is expected to total 1,789,000 tons. This compares with 2,043,000 tons produced from the 1954 crop, from which 44,800,000 gallons of beet molasses was available.

Niacin — Demand for niacin was reported to be at routine levels. Supplies were adequate to cover

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Drugs, Fine Chemicals

trade requirements while prices were unchanged.

Niacin and niacinamide production in October aggregated 185,096 pounds according to the United States Tariff Commission compared to 137,612 pounds in September.

Silver Nitrate—The spot market was quiet last week in the usual holiday pattern. Supplies were ample to cover trade needs while prices were steady and unchanged.

The Bureau of the Census recently reported that production of silver nitrate (100 percent $AgNO_3$) totaled 5,754,000 ounces in October compared to 5,747,000 ounces in September and 5,909,000 ounces during October last year.

Stocks of silver nitrate at producing plants aggregated 3,376,000 ounces on October 31, 1955, compared to 3,535,000 ounces on September 30.

Tannic Acid—Contract schedules were advanced to $1.05 per pound last week on technical grade tannic acid. The increase in this material had gone into effect some two weeks earlier on spot sales and was the logical consequence of the advance in the USP grade some time ago.

The supply outlook for the new year in nutgalls, the raw material from which tannic acid is manufactured is not very bright, however. The Middle East continues to be the major source of supply with Syria responsible for the bulk of the output. The tense military situation in that area with the ever-present possibility of war with Israel has been a source of real concern to tannic acid producers. Inquiry for tannic acid was brisk in view of the generally heavy rate of consumption and the fact that consumers were anxious to build up their inventories in the eventuality that war in the Middle East becomes a reality in 1956.

Vitamin B_1—Inquiry was reported to be running at a good rate last week. Supplies were adequate to meet consumer needs and prices were unchanged.

Production of thiamin derivatives (B_1) amounted to 15,670 pounds in October, the Tariff Commission reports, compared to 16,120 pounds during September.

Botanicals

The market continued steady last week. The volume of business was off to some degree as a logical consequence of the holiday-shortened week. Demand for botanicals, on the whole, remains fair to good varying with different items. Pricewise, there were no spot changes reported but it was expected that the coming year would see more variations in price quotations as carryover stocks are depleted.

Takings of botanicals which go into cough and cold remedies has been good to date. The prediction of an "old-fashioned" winter this year was an important factor in the decision of drugs manufacturers to build up their inventory positions somewhat higher than has been customary in recent years. It was observed that the past several years were somewhat disappointing in the amount of botanicals consumed. A number of items remain in short supply and were expected to worsen as the year progresses. Lobelia herb is an outstanding example of this situation. Mandrake root is also short while witch hazel leaves continue in tight supply. Prices were very firm on those botanicals and could advance higher if demand remains strong, it was said.

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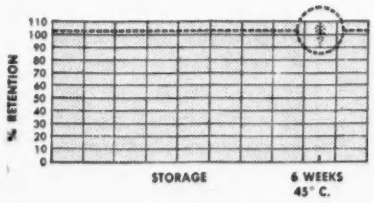

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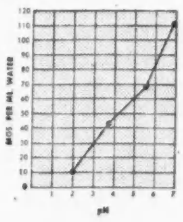

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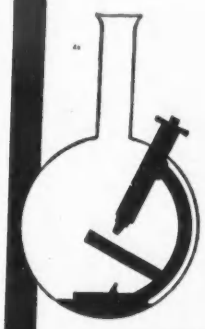

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Radiological Contamination Control Course Next Week

A special course on the control of the effects of radiological, chemical and biological contamination of foods and drugs will be held January 9 to 13 at the Rutgers University School of Pharmacy, Newark, N. J.

The five-day course is sponsored by the Department of Health, Education and Welfare, the Federal Civil Defense Administration and the New Jersey State Division of Civil Defense.

It is intended for personnel responsible for production and plant safety in the food and drug industries, those responsible for plant safety and feeding in other industries and hospital dieticians, stewards and others engaged in the procurement and storage of foods.

Allied Will Move Four Sales Offices Next May

Allied Chemical & Dye Corporation, New York, has announced that the New York sales office of four of its divisions will be located at 261 Madison avenue, in that city, beginning in May, 1956.

The entire fifth floor of the building will be occupied by the sales offices of the Barrett, General Chemical and Solvay Process Divisions, presently located at 40 Rector street, together with the expanded fiber sales office of the National Aniline Division, now on the twenty-first floor of 261 Madison avenue.

Chas. H. Phillips Elects Nitchie Unit Vice-President

Appointment of Hubbard D. Nitchie, jr., as divisional vice-president of Chas. H. Phillips Company has been announced by J. Mark Hiebert, president of Sterling Drug, Inc., the parent organization.

Mr. Nitchie joined Phillips' sales organization in 1936 and was appointed sales supervisor of its eastern division in 1946. He was named sales manager in 1950, holding that position until elected divisional vice-president.

Dow Chemical Announces Opening of Buffalo Office

Dow Chemical Company, Midland, Mich., has opened an office in Buffalo, N. Y., to service a territory covering northwestern New York and Pennsylvania.

Manager of the office is Eugene L. Martinez, who has been advanced to the post after serving as a salesman with the company's New York office.

Perkin Acquires Warren

Warren Electronics, Inc., has been acquired by Perkin-Elmer Corporation, Norwalk, Conn. For the present, Warren Electronics will continue operations in its Bound Brook, N. J., plant as a subsidiary of Perkin-Elmer, with Charles W. Warren remaining as president.

Canadian Chemists to Meet

The Chemical Institute of Canada has scheduled its thirty-ninth annual conference and exhibition for the Sheraton-Mount Royal hotel, Montreal, May 28 through 30.

Grove Laboratories Appoints Bland and Foss Vice-Presidents

Grove Laboratories, Inc., St. Louis, Mo., has appointed Arthur S. Bland, jr., administrative vice-president and Gene K. Foss, vice-president in charge of sales.

Mr. Foss who was recently named sales director, will continue in overall charge of the sales, advertising and promotion activities for the company's line of proprietaries and toiletries. Mr. Bland, formerly product sales manager for "Bromo Quinine," will now assist L. A. Smith, first vice-president and director, in the integration and administration of the company's operations.

Schering Names Foreign Audit Mgr.

The appointment of William J. Russ as foreign audit manager in the controller's division of Schering Corporation, Bloomfield, N. J., has been announced. Before joining Schering, Mr. Russ was divisional accountant with Sidney Ross Company S.A., Mexico, D.F., a subsidiary of Sterling Drug Company, and later was divisional field auditor with Ford Motor Company, International Division, New York.

Nickel Filing Dates Fixed

Bureau of Foreign Commerce announced last week that applications for licenses to export nickel powder and nickel anodes and nickel and nickel alloy shot during the first quarter should be filed between January 3 and January 24, 1956.

Trade Briefs

Arthur Colton Company, Detroit, Mich., has named Erwin V. Kistner sales engineer for the New York office.

Parke, Davis & Co., Detroit, Mich., has named Dr. Leon H. Warren an associate in the clinical investigation department.

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Agricultural Relations Group Names NPFI Man to Staff

Louis H. Wilson, secretary and director of information of the National Plant Food Institute, has been elected vice-president of the Agricultural Relations Council.

John J. Lacey, public relations director (radio and press) for the American Farm Bureau Federation, has been elected president of the council, succeeding Ed Lipscomb, director of public relations of the national cotton council.

Lowell A. Kern, executive secretary of American Petroleum Institute, New York, was re-elected secretary.

Named to serve three-year terms on the Board of Directors were Roy Battles, assistant to the master, National Grange, Washington, D. C., and Burt D. Loken, public relations director of the Chicago Board of Trade.

Hercules Tells Retirement Of Four Key Executives

Hercules Powder Company, Wilmington, Del., has announced the retirement of four key personnel. John T. Moore, safety manager of the explosives department has retired after forty years of service. J. Harmer Rile, sales manager of the cellulose products department and a thirty-eight-year veteran, also has retired.

Charles S. R. Weldin, administrative assistant in the treasurer's department, has retired after serving with Hercules since 1914. David R. Wiggam, manager of development for the cellulose products department, and who recommended that Hercules produce CMC, has also retired.

Japanese Soybeans

—Continued from page 7

mistic regarding the outlook for sales of US soybeans to Japan. He believes that better understanding of mutual needs will result from the study, on the part of both US suppliers and Japanese buyers.

Availability of dollars for purchase of US soybeans is an important factor, he said, as it is with any agricultural commodity, since soybeans are not being sold under US government agricultural export programs. Nevertheless, he intimated, of even more immediate importance is the matter of meeting Japanese market preferences.

Foreign material and green color were the two complaints against US soybeans most frequently encountered. Japanese buyers pointed out that cleaner beans can be obtained from Manchuria, one of Japan's traditional sources of supply.

Foreign material to which the Japanese specifically object are morning glory seeds, soybean stems, corn, and cocklebur. These are said to unfavorably affect food products made from soybeans. Green beans are disliked because of the objectionable color they give to food products.

Japan 'Reasonably Well Satisfied'

Mr. Kurtz said that, except as noted above, he found Japan's soybean interests "reasonably well satisfied" with US soybeans they have been receiving under the new standards that became effective September 1. He believes, however, that a review of US soybean standards might profitably be made with regard to making them even more useful in meeting export needs.

Since the bulk of Japan's soybean meal goes for direct human consumption, and since the bulk of US meal goes to feed livestock, this should point up the need to tailor-made US beans to each kind of requirement, was the joint conclusion.

Fats, Oils Exports

—Continued from page 7

1954-55. Lard exports at 528,000,000 pounds were up one-third from last year.

On the other hand, while exports of linseed oil continued heavy, reflecting sales for export from stocks held by the Commodity Credit Corporation, they were less than half the 430,000,000-pound record shipped in 1953-54. Exports of soybean oil were almost one-third less than a year ago and fish oils were down one-fifth.

Exports for 1953-54 and 1954-55

Exports for the crop marketing years beginning October 1, 1953, and October 1, 1954, were:—

	1953-54 Pounds	1954-55 Pounds
Coconut oil[1]	10,973,000	9,580,000
Cottonseed	29,086,000	30,779,000
Cottonseed oil[1]	398,437,000	(2)706,634,000
Flaxseed bus.	6,152,000	6,684,000
Linseed oil[1]	430,272,000	211,923,000
Peanuts[3]	168,577,000	1,888,000
Peanut oil[1]	8,698,000	645,000
Soybeans bus.	38,663,000	60,149,000
Soybean oil[1]	71,259,000	50,264,000
Lard	397,484,000	527,655,000
Tallow, edible	21,953,000	5,610,000
Tallow, greases, inedible	1,185,777,000	1,263,422,000
Fish oils	157,439,000	126,424,000
All other, including butter and soap (oil content)[2]	185,795,000	306,431,000
Total oil equivalent	3,483,501,000	4,007,115,000

[1]The sum of crude and refined.
[2]Includes exports from Commodity Credit Corporation holdings not reported by Census Bureau.
[3]Includes shelled and unshelled.

AEC to Use Bids

—Continued from page 7

high level, it is unlikely that more than a few deposits will be offered for lease in the near future.

Upon determination that a portion of the reserve should be leased, AEC will award leases on the basis of competitive bids, rather than by the previous system of selecting lessees on the basis of qualifications, including mining experience and financial status.

Leases will be awarded to the acceptable bidder offering the highest cash bonus by sealed bid. The royalty rate, work requirements and other conditions will be stated in the invitation to bid.

These conditions will be determined by AEC, and will be based on the estimated size and grade of the deposit and the cost of mining facilities and production.

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ARGO® INOSITOL, *N. F.* is shipped in 5, 10, 50, and 100 pound containers. A summary of the recent literature is available upon request. Chemical Division, CORN PRODUCTS REFINING COMPANY, 17 Battery Place, New York 4, N. Y.

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Write us for further information, and a reprint of an article from NUCLEONICS entitled, "Design and Construction of Shielding Windows".

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Saint Louis, Michigan

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IMPORTS at United States Ports

New York

ABSINTH HERB—53 bls, S B Penick & Co, Rijeka
ADIPATE—4 kgs, W Cooper & Nephews, London
AGAR—25 cs, T M Duche & Sons, Yokohama
ALGINIC ACID—3 ctns, Croda Inc, Oslo
ALMOND OIL—2 cs, S B Penick & Co, Rotterdam
AMMONIUM ALGINATE—1 dm, Austenal Lab, Glasgow
PERSULFATE—18 dms, Riches Nelson, Rotterdam
ANGELICA STEM DISTILLATE—1 cs, Givaudan Corp, Rotterdam
ANILINE DYES—75 cans, C A Haynes, Rotterdam
71 dms, C A Haynes, Rotterdam
5 dms, Hensel Bruckmann & Lorbacher, Rotterdam
8 dms, Ciba Co, Rotterdam
6 dms, Carbic Color & Chemical Co, Rotterdam
6 dms, Heemsoth Kerner, Liverpool
126 dms, Sandoz Chemical Works, Havre
8 dms, Hanover Bank, Rotterdam
10 dms, Antwerp
12 dms, Rotterdam
ANNATTO SEED—100 bgs, Marcel Calvet, Ciudad Trujillo
ANTIMONY OXIDE—500 bgs, Natural Lead Co, Liverpool
REGULUS—190 cs, Cosmos Shipping Co, Trieste
100 cs, C Gitlan, Antwerp
ARABIC GUM—250 bgs, Henry Heide Inc, Port Sudan
ARROW ROOT—6,295 bgs, Morningstar Nicol, Kingstown
ASBESTOS FIBER—4,000 bgs, Johns Manville Corp, Beira
600 bgs, Bankers Trust Co, Lourenco Marques
560 bgs, N American Asbestos Corp, Lourenco Marques
1,000 bgs, Johns Manville Corp, Lourenco Marques
ASCORBIC ACID—6 dms, Mitsubishi International Corp, Yokohama
BARIUM SULFATE—100 dms, Picker X-ray Corp, London
BAY OIL—1 dm, Dodge & Olcott, Dominica
1 dm, Citrus & Allied Essential Oils Co, Dominica
1 dm, Magnus Mabee & Reynard, Dominica
BEEF EXTRACT—200 cs, Tupman Thurlow, Brisbane
BEESWAX—20 bgs, C E Hamann, Tampico
24 bgs, Smith Nichols, Rotterdam
200 bgs, S Zeitlins & Sons, Santos
25 bgs, Porcella Vicini & Co, Puerto Plata
202 blks, R J Lepow, Djibouti
10 bgs, Havana
75 bgs, Santiago
97 bgs, Tampico
BELLADONNA LEAVES—100 bls, Meer Corp, Split
BENZOIN GUM—89 cs, Meer Corp, Singapore
BONE—100 ctns, Guaranty Trust Co, Kobe
BUCKTHORN BARK—400 bls, Dubrovnik
BUTTONLAC—100 bgs, Calcutta
CALCIUM TUNGSTATE—24 dms, Silvey Shipping Co, Rotterdam
CAMPHOR OIL—10 dms, Dodge & Olcott, Kobe
5 dms, Lo Curto & Funk, Keelung
9 dms, Orbis Products Corp, Keelung
POWDER—10 cs, Fine Organics Inc, Chilung
CANDELILLA WAX—939 bgs, Tampico
CARAWAY OIL—2 dms, Rotterdam
SEED—200 bgs, Biddle Purchasing Co, Rotterdam
150 bgs, Levy & Levis Co, Rotterdam
100 bgs, Meer Corp, Rotterdam
100 bgs, P H Petry, Rotterdam
200 bgs, C M Van Sillevoldt, Rotterdam
500 bgs, Louis Furth, Rotterdam
200 bgs, Chase Manhattan Bank, Rotterdam
150 bgs, Rotterdam
CARBON—100 bgs, Spencer Kellogg, London
CARNAUBA WAX—34 bgs, Bahia Ceras Products, Salvador
111 bgs, M Schmidt, Salvador
63 bgs, Wm Diehl & Co, Rio de Janeiro
CASEIN—448 bgs, Guaranty Trust Co, Melbourne
2,500 bgs, Buenos Aires
1,500 bgs, P A Dunkel, Buenos Aires
2,000 bgs, Borden Co, Buenos Aires
3,100 bgs, Tupman Thurlow, Beunos Aires
800 bgs, Tupman Thurlow, Liverpool
100 bgs, F H Paul & Stein Bros, Buenos Aires
700 bgs, Overseas Merchants Corp, Hamburg
2,500 bgs, Buenos Aires
CASHEWNUT SHELL LIQUID—178 tons, Irvington Varnish & Insulator Co, Cochin
CASSIA—42 bls, Karl H Landes & E Balint, Rotterdam
434 pkgs, Rotterdam
CASTOR BEANS—3,296 bgs, Spencer Kellogg, Manta
710 bgs, Baker Castor Oil Co, Guayaquil
16,934 bgs, Baker Castor Oil Co, Salvador
6,665 bgs, D Levin, Salvador
11,851 bgs, Bahia Ceras Products, Salvador
5,967 bgs, Spencer Kellogg, Salvador
OIL—184 tons, Bunge Corp, Bombay
183 tons, East Asiatic Co, Bombay
228 tons, Wallace & Tiernan Inc, Bombay
1,421 tons, Baker Castor Oil Co, Bombay
295 tons, Spencer Kellogg, Lobito
550 tons, Recife
CELERY SEED—100 bgs, P H Petry, Bombay
111 bgs, A G Dunn, Bombay
261 bgs, George Lueders & Co, Bombay
170 bgs, Becker Mayer Seed Co, Bombay
340 bgs, M J Golombeck, Bombay
CETYL ALCOHOL—100 bgs, Olympic Shipping Co, Liverpool
CHLORINATED RUBBER—200 bgs, C M C Chemicals Inc, Liverpool
CINNAMON QUILLS—25 bls, Calvert Vavasseur, Colombo
100 bls, Fritzsche Bros, Colombo
50 bgs, Curacao Trading Co, Colombo
CITRONELLA OIL—25 dms, Pacific Vegetable Oil Corp, Keelung
25 dms, Van Amerigen-Haebler, Keelung
10 dms, I R Boody & Co, Keelung
10 dms, Givaudan Corp, Keelung
15 dms, Internatio Rotterdam, Keelung
15 dms, Shulton Inc, Keelung
25 dms, Lo Curto & Funk, Puerto Barrios
6 dms, C T Wilson, Vera Cruz
CLOVE—200 bgs, Becker Mayer Seed Co, Tamatave
200 bgs, A G Dunn, Tamatave
100 bgs, Karl H Landes & E Balint, Tamatave
100 bgs, L A Champon & Co, Tamatave
185 bgs, Otto Gerdau, Tamatave
150 bgs, G M Fakra, Antalaha
200 bgs, G M Fakra, Tamatave
200 bgs, J H Schroder, Tamatave
100 bgs, Joensson & Cross, Tamatave
175 bgs, Mincing Trading Corp, Tamatave
200 bgs, Tamatave
COALTAR DYES—2 dms, Hensel Bruckmann & Lorbacher, Rotterdam
8 dms, C A Haynes, Rotterdam
COCOA RESIDUE—334 bgs, Gill & Duffus, Salvador
1,668 bgs, Woodward & Dickerson, Salvador
3,334 bgs, Hollander Trading Corp, Salvador
COCONUT OIL—600 tons, American Trust Co, Cebu
678 tons, Manila
HYDROGENATED—21 tons, Hudson Shipping Co, Rotterdam
COD OIL—69 tons, Scandinavian Oil Co, Rotterdam
200 dms, Brown Bros, Bremen
100 dms, Bremen
COPAL GUM—40 bgs, S Winterbourne & Co, London
1,315 bgs, O G Innes Corp, Matadi
476 bgs, S Winterbourne & Co, Matadi
417 bgs, Archer Daniels Midland Co, Matadi
319 bgs, S Winterbourne & Co, Manila
145 bgs, Wm H Scheel, Manila
124 bgs, Internatio Rotterdam, Manila
COPPER CYANIDE—40 dms, Antwerp
CORIANDER OIL—7 cs, S B Penick & Co, Rijeka
CORN STARCH—448 bgs, Rotterdam
CRESYLIC ACID—110 dms, M W Hardy & Co, London
CUTTLEFISH BONE—30 cs, H H Fries, Tangier
225 cs, Venice
CYNOBASTI FRUCTUS—20 bgs, S B Penick & Co, Split
DAMMAR GUM—632 bgs, S Winterbourne & Co, Singapore
35 bgs, O G Innes Corp, Singapore
28 bgs, France Campbell & Darling, Singapore
26 cs, S Winterbourne & Co, Singapore
DEXTRIN—222 bgs, Stein Hall & Co, Rotterdam
1,100 bgs, Morningstar Nicol, Rotterdam
300 bgs, Guaranty Trust Co, Rotterdam
300 bgs, Rotterdam
200 bgs, Commercial Envelope Manufacturing Co, Rotterdam
300 bgs, Illonios Adhesive Products Co, Rotterdam
300 bgs, Rotterdam
DILL SEED—87 bgs, Levy & Levis Co, Bombay
DIPHENYLAMINE—1 dm, E I Dupont De Nemours & Co, London
ELEMI GUM—80 cs, O G Innes Corp, Manila
EPHEDRINE HYDROCHLORIDE—4 dms, Rotterdam
SULFATE—6 dms, Rotterdam
FENNEL SEED—160 bgs, Transit Export & Import Co, Buenos Aires
FISHLIVER OIL—6 dms, Arista Oil Products Co, Yokohama
3 dms, Albumina Supply Co, Yokohama
FISHMEAL—1,200 bgs, Marine & Animal By-Products Corp, Talcahuano
FUEL OIL—109,922 bbls, Paragon Oil Co, Punta Cardon
348,590 bbls, Esso Standard Oil Co, Aruba
102,164 bbls, Esso Standard Oil Co, Caripito
107,073 bbls, New England Petroleum Co, Punta Cardon
10,000 bbls, Asiatic Petroleum Corp, Curacao
119,099 bbls, Hess Inc, Punta Cardon
136,755 bbls, Metropolitan Petroleum Corp, Curacao
135,000 bbls, Esso Export Corp, Aruba
111,779 bbls, Central Petroleum Corp, Punta Cardon
GALL, OX—2 dms, Wilson & Co, Port Adelaide
13 cs, Bankers Trust Co, Sydney
4 dms, Wilson & Co, Santos
SHEEP—3 dms, Wilson & Co, Port Adelaide
GARLIC POWDER—100 cs, Venice
GELATIN—300 bgs, Transatlantic Animal By-Products Corp, Rotterdam
65 dms, D H Burdett, London
240 bgs, Antwerp
GENTIAN ROOT—100 bgs, Meer Corp, Rijeka
200 bgs, S B Penick & Co, Rijeka
32 bls, S B Penick & Co, Rijeka
GLUE—20 bgs, Jung Fwdy Co, Liverpool
PEARL—331 bgs, Transatlantic Animal By-Products Corp, Rotterdam
GLYCERINE—270 tons, Procter & Gamble Co, Manila
337 tons, Manila
GRAPHITE—1,000 bgs, Asbury Graphite Mills, Hong Kong
520 bgs, Asbury Graphite Mills, Tamatave
1,050 bgs, Joseph Dixon Crucible Co, Tamatave
500 bgs, Asbury Graphite Mills, Colombo
500 bgs, C Pettinos, Tamatave
GYPSUM—9,935 tons, U S Gypsum Co, Hantsport
INDIGO—222 dms, C A Haynes, Rotterdam
IODINE, CRUDE—200 kgs, North Atlantic Fertilizer & Chemical Co, Yokohama
IRON BLUE—31 dms, Van Oppen & Co, Liverpool
POWDER—4 dms, Arnold Eng Co, Liverpool
JALAP ROOT—13 bgs, Vera Cruz
KAOLIN—480 kgs, E Fougera & Co, London
KARAYA GUM—404 bgs, Colony Import & Export Corp, Bombay
24 bgs, Wm M Allison & Co, Bombay
60 bgs, Tragacanth Importing Corp, Bombay
336 bgs, Morningstar Nicol, Bombay
122 bgs, Meer Corp, Bombay
66 bgs, P A Dunkel, Bombay
LACTOSE—145 dms, Empire Trust Co, Rotterdam
300 dms, Chas L Huisking & Co, Liverpool
LEMONGRASS OIL—11 dms, French American Banking Corp, Cochin
16 dms, Chase Manhattan Bank, Cochin
LIME OIL—1 cs, W Reinhardt, Plymouth
LITHARGE—220 dms, Eagle Picher Co, Tampico
LIVER POWDER—14 dms, Tec Chemical Corp, Montevideo
LOCUST BEAN—308 bgs, North American Continental Co, Casablanca
GUM—112 bgs, Stein Hall & Co, Genoa
400 bgs, Morningstar Nicol, Genoa
200 bgs, Colony Import & Export Corp, Genoa
MACE—14 cs, Shippers Produce Corp, Rotterdam
16 cs, Chemical Bank, Rotterdam
MAGNESITE—4,125 bgs, Golwynne Chemical Corp, Cochin
1,820 bgs, Cochin
MANGANESE ORE—448 bgs, Union Carbide & Carbon Corp, London
MANGROVE BARK—946 bgs, Grace National Bank, Esmeraldas
MENTHOL—23 cs, Irving Trust Co, Kobe
20 cs, Daiichi Bussan Kaisha Ltd, N Y, Kobe
44 cs, River Plate Corp, Rio de Janeiro
25 cs, Wessel Duval & Co, Santos
MENUKELIVER OIL—13 dms, Consumers Import Co, Yokohama
MERCURIC CYANIDE—6 dms, Lo Curto & Funk, Southampton
MERCURY—11 flks, Mercantile Metal & Ore Corp, Vera Cruz
77 flks, L H Keller & Co, Tampico
150 flks, Mercantile Metal & Ore Corp, Rotterdam
150 flks, Rijeka
115 flks, Trieste
MINERAL PITCH—400 bgs, Strohmeyer & Arpe, Hamburg
MYROBALANS—1,800 bgs, Barkey Importing Co, Bombay
EXTRACT—200 bgs, River Plate Corp, Liverpool
MYRRH GUM—32 bgs, S B Penick & Co, Aden
NICKEL CHLORIDE—50 bgs, Overseas Metal & Ore Corp, Hamburg
5 cks, James E Fox, London
4 kgs, Republic Chemical Corp, London
14 bbls, Hamburg
SULFATE—45 bgs, Republic Chemical Corp, London
25 cks, Genoa
133 bgs, American Firstoline Corp, Hamburg
2 bgs, Antwerp
25 cks, Genoa
p-NITROPHENOL—200 dms, Chemical Manufacturing Co, Liverpool
m-NITRO-p-TOLUIDINE—8 dms, A V Berner & Co, Liverpool
NUTMEG—56 bgs, Mincing Trading Corp, London
100 bgs, Shippers Produce Corp, Rotterdam
42 bgs, C Czarinkow, Singapore
27 bgs, Rotterdam
OLEYL ALCOHOL—56 dms, Olympic Shipping Co, Liverpool
OLIVE OIL—75 dms, Chase Manhattan Bank, Malaga
429 dms, Credit Suisse, Malaga
40 dms, First National Chicago, Malaga
325 dms, National City Bank, Malaga
100 dms, Chemical Bank, Malaga
200 dms, Manufacturers Trust Co, Malaga
239 dms, Manufacturers Trust Co, Seville
96 dms, American National Bank Chicago, Seville
73 dms, National City Bank, Seville
100 dms, Chemical Bank, Seville
OPIUM—100 cs, Chase Manhattan Bank, Rijeka
200 chts, Calcutta
ORANGE OIL—3 dms, Citrus & Allied Essential Oils Co, Puerto Plata
PALM OIL—76 dms, Matadi
2 dms, Balfour Guthrie, Matadi
200 tons, J Gerber & Co, Matadi
500 tons, Balfour Guthrie, Matadi
PALMAROSA OIL—3 dms, Ungerer & Co, Bombay
PAPAIN—51 cs, Gets Bros, Colombo
80 cs, Chas L Huisking & Co, Mombasa
PAPRIKA—200 bgs, M J Golombeck, Rotterdam
520 bgs, H Schlichting, Alicante
400 bgs, A A Sayia, Alicante
300 bgs, J Weinstein, Alicante
3,195 bgs, Alicante
PEATMOSS—600 bls, E Dunwoody, Bremen
PEPPER, BLACK—120 bgs, C Czarinkow, Singapore
300 bgs, Borneo Sumatra Trading Co, Singapore
160 bgs, Alleppey
112 bgs, Cochin
WHITE—280 bgs, E H Simpson & Co, Singapore
PETITGRAIN OIL—6 dms, Ungerer & Co, Buenos Aires
5 dms, John D Walsh Co, Buenos Aires
48 dms, Wessel Duval & Co, Buenos Aires
PETROLEUM, CRUDE—60,994 bbls, Esso Standard Oil Co, La Salina
39,193 bbls, Esso Standard Oil Co, Las Piedras
POLLACKLIVER OIL—100 dms, Arista Oil Products Co, Yokohama
50 dms, Asahi N Y Inc, Yokohama
POLYVINYL ACETATE RESIN—1,000 bgs, Ataka N Y, Kobe
ALCOHOL—665 bgs, Marubeni Iida Co, Kobe
POPPY SEED—333 bgs, Levy & Levis Co, Gdynia
333 bgs, Bankers Trust Co, Gdynia
999 bgs, C M Van Sillevoldt, Gdynia
335 bgs, Louis Furth, Gdynia
100 bgs, P H Petry, Rotterdam
100 bgs, A G Dunn, Rotterdam
450 bgs, C M Van Sillevoldt, Rotterdam
500 bgs, Louis Furth, Rotterdam
60 bgs, Transit Export & Import Co, Buenos Aires
500 bgs, Biddle Purchasing Co, Rotterdam
96 bgs, R J Spitz, London
150 bgs, Rotterdam
100 bls, Rotterdam
POTASSIUM CYANIDE—60 dms, Canadian Bergom Co, Hamburg
METABISULFITE—100 cks, H Reifenberg, Hamburg
SILICATE—500 bgs, Sylvania Electric Products, Rotterdam
POTATO STARCH—10 bgs, Guaranty Trust Co, Rotterdam
PRUSSIAN BLUE—1 cs, Tar Residuals Inc, Rotterdam
PSYLLIUM SEED HUSKS—216 bgs, Meer Corp, Bombay
PYRETHRUM FLOWERS—125 bls, Gulf Oil Corp, Mombasa
133 bls, Prentiss Drug & Chemical Co, Mombasa
QUEBRACHO EXTRACT—2,088 bgs, American Tanners Ltd, Buenos Aires
562 bgs, River Plate Corp, Buenos Aires
QUERCUS MOSS—60 bgs, S B Penick & Co, Split
RAUWOLFIA ROOT—450 bgs, Ciba Pharmaceutical Products, Matadi
100 bgs, Fine Chemicals of Canada, Matadi
RED, IRON OXIDE—500 bgs, C K Williams & Co, Malaga
300 bgs, Whittaker Clark & Daniels, Malaga
800 bgs, C J Osborn Co, Malaga
RICE STARCH—125 bgs, American Key Products, Trieste
230 bgs, Aurora Manufacturing Co, Trieste
ROSEMARY OIL—27 dms, George Uhe Co, Malaga
RUM ETHER—1 dm, Lo Curto & Funk, Rotterdam
RUTILE SAND—1,400 bgs, International Titanium Corp, Brisbane
SAGE LEAVES—100 bls, Manhattan Import & Export Co, Dubrovnik
1,110 bls, Dubrovnik
210 bls, Split
400 bls, Saima Inc, Trieste
OIL—4 bbls, S B Penick & Co, Dubrovnik
1 cs, S B Penick & Co, Dubrovnik
SEEDLAC—750 bgs, Mac Lac Co, Bangkok
250 bgs, Gillespie Rogers Pyatt, Bangkok
200 bgs, Capitol Shellac Corp, Bangkok
250 bgs, East Asiatic Co, Bangkok
250 bgs, Benham Import Co, Bangkok
250 bgs, Colony Import & Export Corp, Bangkok
400 bgs, Wm Zinsser & Co, Calcutta
250 bgs, Schwab Bros, Bangkok
350 bgs, Bangkok
625 bgs, Calcutta
SESAME SEED—150 bgs, Wagner Bros, Bombay
224 bgs, Becker Mayer Seed Co, Bombay
374 bgs, Louis Furth, Bombay
500 bgs, Jacoberg Overseas Inc, Santos
HULLED—129 bgs, C M Van Sillevoldt, Bombay
133 bgs, Louis Furth, Bombay
66 bgs, R J Spitz, Bombay
SHARKLIVER OIL—50 dms, Interocean Chemical & Minerals Corp, Yokohama
SHELLAC—100 bgs, F H Paul & Stein Bros, Rotterdam
100 bgs, Bank of London & S A, Bangkok
27 bgs, Rotterdam
12 cks, Rotterdam
SODIUM ALGINATE—4 ctns, Croda Inc, Oslo
CYANIDE—180 dms, C Hardy, Havre
PERBORATE TETRAHYDRATE — 1,340 bgs, Chemical Manufacturing Co, Liverpool
SILICATE—5 bgs, European Chemical Co, Rotterdam
SULFANILAMIDE—1 dm, Polychemical Co, Liverpool
SPERMACETI WAX—1 cs, Strohmeyer & Arpe, Kobe
SQUILLS, RED—200 pkgs, S B Penick & Co, Djidjelli
STARCH—1,045 bgs, Blaser & Mericle, London
301 bgs, Rotterdam
SULFAMIC ACID—100 cks, National City Bank, Rotterdam
SULFATHIAZOLE—20 dms, American Roland Corp, Genoa
SULFUR—40 cks, Chas L Huisking & Co, Liverpool
SUMAC—135 bgs, River Plate Corp, Palmero
TALC—11,680 bgs, Charles Mathieu, Genoa
TALHA GUM—20 bgs, Stein Hall & Co, Port Sudan
100 bgs, Colony Import & Export Corp, Port Sudan
TAPIOCA—417 bgs, Madagascar Agencies, Tamatave
FLOUR—2,500 bgs, Internatio Rotterdam, Bangkok
2,000 bgs, American Key Products, Bangkok
2,000 bgs, Geismar & Co, Itajai
1,160 bgs, Geismar & Co, Santos
3,000 bgs, Morningstar Nicol, Itajai
2,000 bgs, Stein Hall & Co, Itajai
1,016 bgs, Cochin
TAMARIND—15 bbls, W Reinhardt, Plymouth
TARTARIC ACID—91 dms, Rotterdam
TEA OF MATTE—100 cs, Meer Corp, Paranagua
TRICHLOROETHYLENE—450 dms, Miny Corp, Venice
200 dms, Chemical Mfg Co, Liverpool
TRIHYDROXYBENZENE—6 kgs, Harrison & Crossfield, London
4 kgs, Atlantic Chemical Corp, London
TUNG OIL—462 tons, Internatio Rotterdam, Buenos Aires
UREA, SYNTHETIC—4,000 bgs, Chemical Mfg Co, London
VANILLA BEANS—25 cs, Packing Products Co, Antalaha
23 cs, Gillespie & Co, Antalaha
24 cs, J H Schroder, Antalaha
22 cs, Chase Manhattan Bank, Antalaha
35 cs, Lo Curto & Funk, Antalaha
53 cs, John D Walsh Co, Antalaha
1 cs, L A Champon & Co, Antalaha
22 cs, George Lueders & Co, Antalaha
69 cs, Williams Clark Co, Antalaha
47 cs, Thurston & Braidich, Antalaha
44 cs, J Manheimer, Antalaha
VITAMIN B_1—15 dms, Mitsubishi International Corp, Yokohama
20 cs, Byco Ltd, Kobe
WATTLE BARK—551 bls, Arnhold & Co, Capetown
EXTRACT—534 bgs, Tanimex Corp, Durban
WHITING—2,260 bgs, Antwerp
WOOL GREASE—79 dms, Chemical Bank, Genoa
57 cs, Chemical Bank, Liverpool
61 dms, N I Malmstrom, Nagoya
200 dms, N I Malmstrom, Bremen
ZIRCON SAND—1,984 bgs, National Lead Co, Brisbane
3,600 bgs, International Titanium Corp, Brisbane
ZIRCONIUM CARBONATE—87 bbls, Magnesium Electron Inc, Liverpool

Los Angeles

CARAWAY SEED—75 bgs, Hismoco American Co, Rotterdam
CODLIVER OIL—10 dms, Nutro Dog Food Co, Rotterdam
COPRA—243.15 long tons, Procter & Gamble Co, Nasipit
656.72 long tons, Procter & Gamble Co, Cebu
599.65 long tons, Procter & Gamble Co, Jolo
500 long tons, Procter & Gamble Co, Isabela
CAKE—1,000 long tons, Cebu
500 long tons, American Trust Co, Zamboanga
969,450 long tons, American Trust Co, Masbate
2,240 bgs, Pacific Vegetable Oil Corp, Manila
224,000 lbs, American Trust Co, Tacloban
1,000 long tons, American Trust Co, Tabaco
FLOUR—3,680 bgs, Balfour Guthrie & Co, Manila
EARTH COLORS—450 bgs, Naftone Inc, Bremen
EUCALYPTUS OIL—1 cs, Albert A Bley, Adelaide
MOLASSES—3,005.46 long tons, Southwestern Sugar & Molasses Co, Tampico
6,554.62 long tons, Southwestern Sugar & Molasses Co, Vera Cruz
NICKEL SULFATE—40 bgs, Western Chemical & Manufacturing Co, Rotterdam

NUTMEG—70 bgs, Eastern Bank Ltd, Singapore
PEATMOSS—4,300 bls, Wilbur Ellis Co, Hamburg
1,000 bls, Plant Food Corp, Hamburg
1,000 bls, Downey Fertilizer Co, Hamburg
2,000 bls, Van Waters & Rogers, Rotterdam
PEPPER BLACK—35 bgs, Ludwig Muller Co, Singapore
457 bgs, Singapore
RED—50 bgs, Hismoco American Co, Kobe
100 bgs, Pan Asiatic Trading Co, Kobe
PETROLEUM, CRUDE—17,122 tons, Wilshire Oil Co, Mena el Ahmadi
184,614 bbls, Wilshire Oil Co, Bander Mashur
POPPY SEED—75 bgs, B C Ireland Inc, Rotterdam
100 bgs, Hismoco American Co, Rotterdam
25 bgs, Grace & Co, Rotterdam
SEEDLAC—200 bgs, East Asiatic Trading Co Inc, Bangkok

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UREA—4,133 bgs, Atkins Kroll & Co, Antwerp

Philadelphia

ANTIMONY REGULUS—120 cs, C Tennant Sons & Co, Havre
ASBESTOS FIBER—500 bgs, Chas Kurz Co, Lourenco Marques
BEET MOLASSES—6,371 tons, Southern Sugar Co, Dunkirk
BONE—52 tons, Buenos Aires
BONEMEAL—3,000 bgs, Kind & Knox, Calcutta
CRESYLIC ACID—140 dms, Glasgow
GLYCERINE—175 tons, L Pasternak, Buenos Aires
GYPSUM—4,218 tons, U S Gypsum Co, Deep Brook
MAGNESITE—1,011 tons, Split
NAPHTHALENE—3,247 bgs, Tar Residuals Inc, Gdynia
PETROLEUM, CRUDE — 461,819 bbls, Gulf Oil Corp, Mena Al Ahmadi
149,856 bbls, Socony Mobil Oil Co, Puerto La Cruz
112,031 bbls, Socony Mobil Oil Co, Amuay Bay
115,232 bbls, Atlantic Refining Co, Pamatacual
65,569 bbls, Atlantic Refining Co, La Salina
37,671 bbls, Atlantic Refining Co, Las Piedras
111,708 bbls, The Texas Co, Las Piedras
145,992 bbls, The Texas Co, Puerto La Cruz
RED IRON OXIDE—800 bgs, C K Williams Co, Malaga
RUTILE SAND—6,865 bgs, Brisbane
UREA—500 bgs, Nylos Trading Co, Genoa

San Francisco

AGAR—11 cs, Getz Bros, Yokohama
COPPERAS—700 bgs, N Y Hanseatic Corp, Rotterdam
COPRA—1,000 tons, Pacific Vegetable Oil Corp, Manila
50 tons, Pacific Vegetable Oil Corp, Legaspi
100 tons, Cargill Inc, Dumaquete
950 tons, Cargill Inc, Iloilo
OIL CAKE—5,000 bgs, Balfour Guthrie, Cebu
FISHLIVER OIL—5 dms, Bank of Tokyo, Yokohama
GYPSUM—10,473 tons, Kaiser Gypsum Co, San Marcos
OREGANO—194 bgs, Frazar & Hansen, Acapulco
PAPRIKA—100 bgs, A A Sayia, Marseille
50 bgs, McClintock Stern & Co, Marseille
100 bgs, B C Ireland, Marseille
PEPPER, BLACK—480 bgs, Mincing Trading Corp, Hong Kong
RED—50 bgs, S L Jones & Co, Kobe
PETROLEUM, CRUDE—112,068 bbls, Tide Water Associated Oil Co, Mena Al Ahmadi
143,581 bbls, Tide Water Associated Oil Co, Umm Said
222,529 bbls, Standard Oil Co, Sungai Pakning
RUTILE TITANIUM DIOXIDE—2,000 bgs, Glidden Co, Kobe
SODIUM GLUTAMATE, MONO—175 pkgs, Universal Sales Co, Yokohama
TAPIOCA FLOUR—2,001 bgs, Internatio Rotterdam, Bangkok
2,000 bgs, American Key Products, Bangkok

Obituaries

Milton A. Caine

Milton A. Caine, director and executive vice-president of Tennessee Corporation, New York, died December 25 in New Rochelle, N. Y. He was seventy-three years old.

Mr. Caine was also a director of Tennessee Copper Company, vice-president of Miami Copper Company and director of New Haven Copper Company.

Malcolm B. Carroll

Malcolm B. Carroll, retired secretary of National Aniline Division of Allied Chemical & Dye Corporation, New York, died December 27 in West New Brighton, New York. He was fifty-nine years old.

Mr. Carroll, until his retirement last year, had been secretary of National Aniline for thirty years.

John F. A. Hebron

John F. A. Hebron, assistant purchasing agent for Chas. Pfizer & Co., Brooklyn, N. Y., died December 27 in that city. He was sixty-two years old.

Mr. Hebron had celebrated his fortieth anniversary with Pfizer the previous week

George L. Baxter, vice-president of the American Association of Textile Chemists and Colorists for the central Atlantic region during 1955, died December 9 in New York after a long illness. He was fifty-nine. Mr. Baxter was a director and sales manager of Bradford Dyeing Association, New York.

Arthur J. Jacobi, supervisor of Esso Standard Oil Company's petroleum production laboratory in Linden, N. J., died December 27 in Roselle Park, N. J. He was fifty-nine years old.

Walter R. C. Miller, former consulting engineer for Standard Oil Company (New Jersey) in Aruba, Netherlands, W.I., died December 25 in Summit, N. J. He was sixty-eight years old.

Gerard R. Torberg, former New England regional sales manager for American Oil Company, New York, died December 24 in Ridgefield, Conn. He was sixty-eight years old.

Mac-Lac Company Relocates

MacLac Company has moved its offices from 127 Maiden Lane, New York, to 133 Rector street, where it occupies the entire eleventh floor. The telephone (WHitehall 3-5230) remains unchanged. Mac-Lac was at the Maiden Lane location for seventeen years.

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Oxyquinoline Sulphate
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Louis Santi is a graduate of the College of the City of New York. For years he has been connected with overseas trade . . . in the service of the U. S. Government . . . the City of New York . . . and, since 1944, as a member of the MM&R export department. You will find him an invaluable source of information about essential oils and related items under the Label, Seal and Guarantee of MM&R.

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Essential Oils, Aromatics

The market virtually reached a state of inertia last week, dealers noted, as trading reached one of its lowest levels. In spite of this, however, pending trends for the new year appeared in the making. Unchanged was the plight of the safrol bearing oils from Brazil. Some dealers contended that a change might come about within the first few months of the new year, but most concede that the easiness would be a difficult thing to change. Bois de rose, for the third time in a very short period, declined 20 cents to a listing of $4 per pound. This oil appears to be leading the rest of the Brazilian quality material in the downward trend. The two aromatic chemicals, linalool and linalyl acetate have suffered as a result of the easing source oil.

Another sign of decline in the market was clove leaf oil. The drop was 10 cents to a $1.20 inside listing. However, dealers noted that an upsurge in buying followed immediately upon the heels of the price drop.

Government reports showed that the peppermint and spearmint crops of 1955 exceeded those of 1954 by better than $2,000,000. This development was primarily attributable to the peppermint crop which has grown considerably. Spearmint, on the other hand, has shrunken in both the amount of land allocated and the amount of crop derived per acre. The value of the peppermint crop was placed at $10,736,000 as compared with the 1954 figure of $7,683,000.

Anise oil is being confronted with an aromatic chemical, anethole, which is in a position to offer it strong competition. Both are used as a licorice flavor for foodstuffs. The latter, as yet, is available only in limited supply. However, it has already made inroads into the anise oil market.

Trading in the spices and seed market was, as it had been for virtually the entire month of December, rather quiet. Clove showed some strength. Nutmeg eased again from the high listing it had moved to following the crop damage of the late fall. Pepper showed some new strength when information reached the spot market of sales in Soviet Russia and China.

Price Trends

Advanced

Cardamom, Guatamalan, 5c. per lb.
Clove, Madagascar, 1c. per lb.
Zanzibar, 1½c. per lb.
Oil, citronella, Java-type, 5c. per lb.
Pepper, black, Malabar, 2c. per lb.
White, 2c. per lb.

Reduced

Cardamom, Ceylon, green, 5c. per lb.
Celery, indian, ½c. per lb.
Nutmeg, East Indian, 1c. per lb.
West indian, 1c. per lb.
Oil, Bois de rose, Brazilian, 20c. per lb.
Clove leaf, crude, 10c. per lb.
Copaiba, 5c. per lb.
Ocotea cymbarum, 5c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
134.85	134.84	134.70	138.47

For Current Prices see Page 9

Essential Oils

Anise—This oil is realizing some easement in its market because of the enroachment of the aromatic chemical, anethole, dealers have said. A saving factor appears to be the limitations on supply of the chemical. However, any loosening of supply for anethole might mean permanent damage to the essential oil. The present listing for anise oil is a range of $3.15 to $4.00 per pound.

Boise de rose—Brazilian quality oil eased once again last week, it was noted, with a 20c. per pound decline to a $4.00 to $5.60 per pound range. The causes are considered the continued presence of cheaper Peruvian quality material in the spot market, plus the generally easy condition of the Brazilian market as a whole. Though this later cause has been present since the beginning of the summer months, bois de rose did not really begin to feel its full impact until the Peruvian quality material appeared on the market.

Clove leaf—This oil declined in price once again last week, it was reported. The new listing, a range of $1.20 to $1.35 per pound, is 10c. lower than the previous listing. Reports are that there has been a little more activity developed in the commodity at the lower price. Some fair sized orders were reported placed on spot and for shipment.

Copaiba—This oil showed some new easiness last week, it was reported. The ease was reflected in a 5c. price decline to an inside listing of $1.75 per pound. The outside quotation was continued at $2.50 per pound. Dealers marked the decline as resultant of earlier price drops in the raw material.

Geranium—Bourbon quality geranium oil continued to appear listless in the spot market last week, it has been reported. Dealers fear that continued good weather in the source area would produce a sizeable crop which, in the light of present market conditions, would mere y mean further easing. Bourbon quality continues at its range of $12.50 to $13.50 per pound. The quotes for Algerian quality oil also remains at its previous level, a range of $11.65 to $14.00 per pound.

Ocotea Cymbarum—This oil continued to reflect the condition of the entire Brazilian oil market last week, it was noted, with a further price decline of 5c. per pound. The new listing is a range of 55c. to 58c. per pound. Ocotea cymbarum has declined twice within the past month and there are few signs of any strengthening of the situation. The new listing is a particularly low quotation for the oil.

Peppermint—The value of this year's peppermint crop exceeded that of 1954 by better than $2,000,000 according to final estimates of the crop issued last week by the department of agriculture. This was considered attributable to the higher average prices received by growers and increased production of peppermint (through both the planting of a larger number of acres and the greater productivity of the individual acre). The value of the peppermint crop was estimated at about $10,736,000 as compared with the 1954 figure of $7,683,000. Prices averaged $5.86 a pound this year as against the $5.33 average offer for last year. Total acreage planted was 42,000 acres compared with the 36,000 for 1954. Also the pounds of oil derived per acre showed a vast difference in the quality of the crop. In 1954 40 pounds of oil was taken per acre. The output in 1955 was 43.6 pounds of oil per acre.

Spearmint—A decimated crop, the result of less acreage planted, was the cause of steady price advances for this oil during 1955, according to a report by the department of agriculture. Spearmint planted in the states of Indiana, Michigan and Washington covered only 14,700 acres in 1955 as compared with the 21,500 acres planted in 1954. Also, the amount of oil acquired per acre was less in 1955 than it was in 1954. 39.8 pounds per acre was the figure for '55; the figure for the year previous was 41.8 pounds per acre. The total production figure for 1955 was 585,000 pounds of oil; the figure for 1954 was 899,000 pounds of oil.

Aromatic Chemicals

Anethole—Both the technical and NF grades of this aromatic chemical continue to show a firm market.

Essential Oils

A prime factor in the constancy of its position is a limited supply coupled with a growing demand. The demand development is an outgrowth of its use as a replacement for anise oil when that commodity was not available from China. Present listings for anethole are $1.10-$1.15 range for the technical grade and $1.85-$2 per pound for the NF grade.

Miscellaneous

Cardamom Seed—Some slight trading was noted in this market, though the divergent directions taken by the two qualities shifting offset each other. Decorticated Guatamalan cardamom advanced 5c. per pound to a $2.95 listing. Ceylon green declined 5c. per pound to a $1.95 listing.

Clove—New firmness was noted in the clove market last week. Both qualities advanced in price. The Madagascar listing, a 1c. per pound advance, is 40c.; the Zanzibar spot quotation is 45½c. per pound, a 1½c. advance. However, in spite of the tightness in the spot market, dealers noted that prices afloat are good at 37c. and 38c. per pound, depending upon distance.

Nutmeg — Further easing was noted in this spice's market last week dealers said. Both qualities declined 1c. each. The new listing for East Indian quality nutmeg was a 68c. to 69c. per pound range. The new West Indian listing is a 67c.-68c. per pound range.

Pepper — The market firmed somewhat last week with reports of sales in the Soviet Union and China. Black Malabar advanced 2c. per pound to a 38c.-39c. range and white pepper climbed 2c. to a 44c-45c. per pound range.

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Chicago Cosmetic Chemists Will Hear Aerosol Speech

The Chicago chapter of the Society of Cosmetic Chemists has scheduled Eugene Rose, president of Gene Rose Company, to speak at its first meeting of the new year on January 10. Mr. Rose' topic will be "Aerosols Are Here to Stay."

Officers of the group for 1956 are:—Dr. Sylvia Kramer of Marcell Cosmetics, Inc., chairman; Gustav Carsch of Toni Company, chairman-elect; Muriel Zeitlin of Gene Rose Company, secretary, and Peter Parker of Kolar Laboratories, treasurer.

Solvay Process

—*Continued from page 5*

ments of soda ash for production of glass, soap, textiles, and many other products, had to be imported from abroad.

Solvay's initial plant rapidly became the birthplace of many essential chemicals. Within a few years, caustic soda facilities were added, and chemical grade benzol and toluol production followed Solvay's construction of the first US by-product cokeovens.

Later came chlorine and chlorinated organic chemicals, as well as phenol. Syracuse was also the site of America's first synthetic ammonia plant.

The success of the first soda ash facilities was followed by construction of a second plant at Detroit, Mich., in the 1890s and a third soda ash plant at Baton Rouge, La., in 1935. At the latter plant chlorine facilities were subsequently installed.

In recent years a modernization and expansion program has taken place at Solvay's Syracuse works and new plants have been built in other areas.

An entirely new soda ash plant was completed this year at Syracuse and modern facilities have recently been constructed there for production of chlorine, potassium carbonate, sodium sesquicarbonate, ammonium bicarbonate and calcium chloride.

Moundsville, W. Va., became the site of a chlorine-caustic soda plant in 1953 and at that same location a year later, Solvay entered a new field of chlorinated methane manufacture with completion of a plant for production of methyl chloride, methylene chloride, chloroform and carbon tetrachloride.

Cottonseed Output

—*Continued from page 7*

pastureland and clearing former jungle areas.

Cottonseed production in communist countries, particularly the Soviet Union and China, also appears to have increased substantially in recent years.

A decided uptrend in production in the postwar period has occurred in Iran, Syria and Turkey—but output in 1955 varied little from the previous year.

India's production, estimated at 2,352,000 tons, is slightly less than in the previous year. However, output in India has nearly doubled in the past ten years, with the result that production has regained the prewar level.

Whereas only a relatively small proportion of India's cottonseed has been crushed for oil in past years, increased crushing is envisaged in the future. This would indicate that larger quantities of cottonseed oil will be available for export during the coming years.

Production in South America is expected to be up possibly about 6 percent, with indicated expansion in Brazil and Argentina greater than the slight decline in Peru.

In Africa, cottonseed production may be roughly 10 percent larger than in 1954-55. A 13-percent increase is foreseen in Egypt, where production has virtually regained the prewar level. The notable expansion which has occurred in Nigeria in the postwar period is expected to become even more significant within a few years.

Dodge & Olcott Moves in Chicago

Dodge & Olcott, Inc., New York, has moved its Chicago office to 5537 North Clark street, Chicago. The office will continue under the direction of Kenneth Hartley.

Polak Foreign Mgr. Here On Visit

J. E. Meihuizen, managing director of Polak's Frutal Works NV., Amersfoort, Holland, recently visited the main office of the company at Middletown, N. Y., where he attended business conferences.

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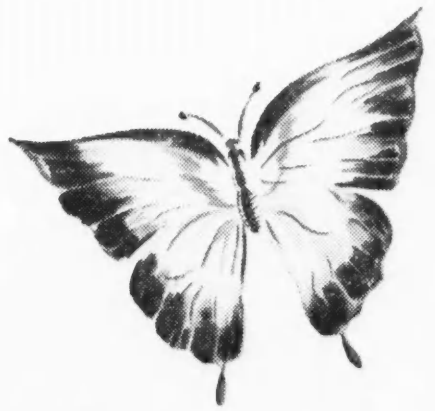

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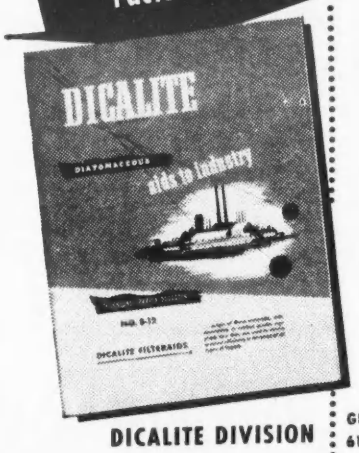

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Coatings Materials

Lead metal rose one-half cent last Thursday, bringing about an immediate advance of comparable extent in lead pigments. Effected were red lead, litharge and orange mineral—all advanced one-half cent. Observers who had been watching the market closely were not surprised at these advances, for lead metal has shown excessive strength during the last two months. Zinc and zinc pigments have also evinced exceptional strength lately, but as of press time prices were unchanged.

To offset increases in the cost of dyestuffs and caustic soda, a general price advance for lakes, toners and other dry colors was put into effect January 1 and January 2 by major pigment manufacturers. Some of these advances had already been effected on November 15 by one supplier.

Figures published recently by the census bureau revealed that production of 624 short tons of molybdate chrome orange during October topped all previous records. Production of all chrome colors was up during October, with the exception of chrome green.

With the exception of tricresyl phosphate, plasticizer prices were unchanged at the beginning of the year. Three manufacturers have rported a 1½ cents advance in TCP, as a result of the higher cost of cresylic acid. Sales of plasticizers were seasonally low, but doing better than at this time last year.

In contrast to the December slump experienced by most products, rapid expansion in the market for synthetic resins has kept these materials selling at a fast pace. Prices of synthetic resins were unchanged by major manufacturers, as of press time.

Increased costs of production have brought about price advances in both asbestos and gypsum, effective January 2 and January 1, respectively. Other fillers and inerts were reported steady at previous listings. The market for natural resins remained slow last week, but prices on all materials held steady.

Price Trends

Advanced

Lead, red, all varieties, ½c. per lb.
Litharge, ½c. per lb.
Orange mineral, ½c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
98.26	98.26	98.26	97.08

For Current Prices see Page 9

Prime Pigments

Chrome Colors — Production of chrome green (chrome yellow and iron blue, CP) during October dropped to 635 short tons, from 642 produced the month before, according to a census bureau report. Chrome oxide green production in October was 1,085 short tons, up from the 848 produced the previous month. Chrome yellow and orange output in October rose to 2,652 short tons, topping the 2,307 reached in September. Molybdate chrome orange production totals came to 624 short tons in October, up from the 585 reported for September. Zinc yellow (zinc chromate) production amounted to 699 short tons in October, as compared with 604 in September.

Lakes and Toners—As reported in advance by several manufacturers of these pigments, the following price revisions were put into effect January 1 and January 2:—Blue, victoria toner, tungstated, PTMA, increased 20c. to $5.35 per pound; blue, methyl violet toner, molybdated, PMA, increased 15c. to $2.75 per pound; blue, alkali, increased 10c. to $2.20 per pound; iron blues (Chinese, Milari, Prussian) increased 1c. to 50c. per pound; blue peacock, increased 5c. to 85c. per pound; green, brilliant, thioflavin toner, PTMA, increased 20c. to $6.40 per pound; red, para toner, increased 5c. to $1.10 per pound; red, rhodamine, tungstated, PTMA, increased 25c. to $6.40 per pound; red, toluidine, increased 5c. to $1.65 per pound; red, lithol toner, increased 5c. to 90c. per pound; red, lake C toner, alizarin, increased 10c. to $1.20 per pound; red (Phloxin) toner, increased 10c. to $1.65 per pound; ultramarine blue, increased 2½c. to 19c. per pound, and hansa yellow, increased 10c. to $2.10 per pound.

Lead Pigments — with the news last Thursday that lead metal had firmed ½c. per pound, pigment manufacturers announced similar revisions for their lines of lead pigments. As a result, latest quotations are:—Red lead, 18½-19½c. per pound, depending on size of shipment and percentage of lead oxide; litharge, in carlot orders, 17½c. per pound; l.c.l. shipments, 18c. per pound; and orange mineral, 21 6/10c. per pound.

Lithopone—The price of this material will be advanced ½c. per pound in carlot orders and ¼c. per pound in less carlot orders by one of the leading manufacturers. The change will become effective January 6.

Zinc Pigments — In contrast to lead pigments, these materials were selling at a good clip through the entire month of December. The unusually good sales were attributed in part to the strong trend in zinc metal, which has led some buyers to expect an imminent price increase and a consequent advance in pigments.

Lacquer Materials

Phthalates—Another supplier announced last week that its phthalate prices would not be effected by the January 1 increase in the cost of alcohols. It is felt now that all firms will be able to absorb this latest cost increase. As most first quarter contracts are already written, phthalate prices should remain steady at least until March.

Tricresyl Phosphate — A third manufacturer reported last week that its price for tricresyl phosphate would be advanced 1½c. on January 1. As announced here previously, two other suppliers have increased their prices of TCP in response to the price advance of cresylic acid.

Fillers and Inerts

Asbestos—As of January 1, two suppliers have raised their prices of asbestos—an increase of 10 percent on grades down to and including 5K and approximately five percent on the lower grades.

Gypsum — Production of crude gypsum during the third quarter of 1955 was 20 percent higher than in the same quarter of 1954, according to figures published recently by the bureau of mines. The bureau stated that about 500,000 more tons of domestic and imported crude gypsum were consumed in the third quarter of 1955 than in any other quarter in history.

The price of this material was advanced $1 per ton on January 1 by one supplier as a result of increased cost of production.

Natural Resins

Gums — Reviewing the month's business, one major seller here described the market for natural gums as having been a little stronger than is generally expected in December. This, he felt, was an indication that the first quarter of 1956 would see a good volume of business.

In regard to Indonesian quality copals, the prevailing opinion inside the market still holds that they must

come down in price if they are to compete with Philippine materials. Such a price adjustment is expected to come about in the near future.

Throughout the current month quotations on all natural gums have held steady to firm with no changes encountered.

Shellac—Although all grades of shellac were softer during December, no price retreats were reported. The materials looked firmer last week as dealers awaited a spurt in business with commencement of the new year.

Miscellaneous

Casein—The December lull finally reached this market last week. Dealers noted that for the first time in two months casein prices failed to advance, as Argentine material held at the previous week's spread of 30-31½c. per pound. The firm trend is expected to renew itself as soon as January business is in full swing.

Naval Stores

November production of gum naval stores amounted to 12,310 barrels of turpentine and 48,420 drums of rosin, according to the crop reporting board of the Department of Agriculture. These figures indicated a substantial rise in rosin production over the previous month, but a drop in production of turpentine. Wood turpentine production amounted to 42,960 barrels, compared with 43,430 barrels produced last month. Only 40 barrels of crude sulphate turpentine were burned during the month. Production of steam distilled wood rosin was reported at 120,310 drums.

Of the 65,400 barrels of gum turpentine on hand November 30, CCC holdings accounted for 36,920 barrels, leaving 28,480 barrels in the "all other" category. CCC gum rosin stocks of 542,070 drums and "all other" of 107,610 drums lowered total gum rosin stocks to 649,680 drums, down 2,140 drums from a month ago.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. Dec. 23	Mon. Dec. 26[1]	Tues. Dec. 27	Wed. Dec. 28	Thur. Dec. 29
Drums—					
K	...	...	$8.55	...	...
M	...	...	...	8.31	...
N	...	...	...	8.50	$9.00
WG	$8.60	...	8.60	...	...
WW	...	...	8.70	8.65	8.65
Bags—					
K	...	...	...	...	8.28
M	...	...	8.28	...	8.32[5]
N	...	...	...	...	9.00

Tankcars (for week ended Dec. 23)—
N, $8.67; M, $8.10; K or better, $8.23

	Sales, USDA			
80*	...	160*	309*	458*

New York
(per 100 lbs., c.l., Friday)
B through N, $9.55; WG, $9.60; WW, $9.10

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price.	.555	...	...	.5575	.561[5]
Sales.	8.000[4]	...	...	8.000[4]	8.000[4]

New York, Friday, per gal. 7 lbs., tankcars, 63½c., l.c.l. 75c.

*Drums equivalent. [4]Gallons.
[5]Average price.
[1]Market closed for holiday.

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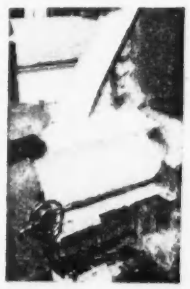

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Cyanamid Shifts Personnel, Sets Up Cleveland Office

American Cyanamid Company, New York, has appointed Dr. R. Bruce Van Order and Dr. J. Arndt Weicksel to the new product department. Charles L. Zimmerman has been given enlarged responsibilities in the research division's dyes research section.

Dr. Van Order joined Cyanamid at the Stamford, Conn., research laboratories in 1942, and Dr. Weicksel joined the laboratories in 1952. Mr. Zimmerman joined Cyanamid at Bound Brook, N. J., as a research chemist in 1942.

At the same time, Cyanamid announced the setting up of a sales office in Cleveland, Ohio, for the refinery chemicals department. Charles H. Groezinger, jr., has been transferred from the Chicago office to the Cleveland sales office.

Ludwig Weissbecker has joined the organic chemicals division of the company as an analytical development chemist, at Bound Brook, N. J.

N.Y. Paint Club to Hear About Light Fast Pigments

The New York Paint & Varnish Production Club will hear a lecture on vivid light fast organic pigments by Vincent C. Vesce, technical director in charge of research and development for Harmon Color division of B. F. Goodrich Chemical Company, at its meeting January 5 at the Brass Rail Restaurant, New York.

The speaker will discuss the newer organic pigments with reference to those which possess superior light fastness in pastel tints. Colored slides and displays will be used to illustrate behavior of colors under different conditions.

Metals Disintegrating Co. Names President, Manager

Metals Disintegrating Company, Elizabeth, N. J., a subsidiary of American-Marietta Company, has appointed Loren C. Hurd president and director of the company. Metals Disintegrating also has appointed D. C. Bradley general manager of its pulverizing machinery division at Summit, N. J.

Mr. Hurd was formerly with Rohm & Haas Company, Philadelphia, as director of organic research, and later as technical director of the export department. Mr. Bradley was previously with New Jersey Zinc Company, New York.

Granular Fertilizer Plant Being Erected by Priddy

Charles W. Priddy & Co., Norfolk, Va., has begun construction of a granulating unit at its Money Point, Va., fertilizer plant.

According to company officials, the new plant will have a capacity of twenty tons per hour, and will be an all-steel structure covering 3,280 square feet.

Eastman Kodak Adding to Facilities

An addition to Eastman Kodak Company's distribution center building on Mt. Read boulevard, Rochester, N. Y., will add approximately 356,000 square feet to its present 553,600 square feet of space. The addition, now under construction and scheduled for completion late in 1957, will bring the total building area to about twenty-one acres.

Ion Exchange Resins Topic Of Course at Brooklyn Poly

A new lecture course on "Ion Exchange Resins and Membranes and Their Applications to Various Problems in Technology" will be offered during the spring semester at the Polytechnic Institute of Brooklyn. Dr. Harry P. Gregor, professor of physical chemistry, will conduct the course, as one of a series on special topics in physical chemistry.

The course is designed to familiarize students and research workers with ion exchange resins and membranes, their preparation, the theory of their function, and their uses in chemical research and technology. The uses of these resins and membranes will be illustrated by a discussion of applications to various laboratory and industrial processes.

Registration for the course takes place during the week of January 20 at the Polytechnic Institute. Further information may be obtained by writing to Prof. Gregor, at the Institute, 99 Livingston Street, Brooklyn 1, N. Y.

Peanut Import Quota Filled

The annual import quota of 1,709,000 pounds of peanuts for the period August 1, 1955, through July 31, 1956, has been filled, it was announced last week by the Bureau of Customs. The quota was completed by entries and withdrawals for consumption by December 20, it was stated.

Dry Color Firms

—Continued from page 3

dividual did not know what was taking place.

The new policy has been put into effect, it was explained, because it was felt that there have been too many pleas of nolo contendere accepted by the department in the past in antitrust actions that should have resulted in heavier penalties.

Six companies were named in the indictment in this case, and charged with violation of the Sherman act in the manufacture and sale of dry colors.

They are Standard Ultramarine & Color Company, Huntington, W. Va.; American Cyanamid Company, New York; Sherwin-Williams Company, Cleveland, Ohio; Imperial Paper & Color Corporation, Glen Falls, N. Y.; Sterling Drug, Inc., New York, and Holland Color & Chemical Company, Holland, Mich.

The indictment charged that the companies had engaged in an unlawful combination to restrain competition in the sale of dry colors by agreeing to fix and maintain prices, terms and other conditions of sale.

Trade Briefs

Glidden Company, Cleveland, Ohio, has introduced a 100 percent solids resin coating, named "Glid-Iron."

General Mills, Inc., Minneapolis, Minn., has transferred Sylvester J. Murphy to the Park Ridge, Ill., sales office, as district sales manager of the chemical sales division.

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Textile, Leather Chemicals

Steady tone featured the textile and leather chemicals market at the close of the year. Prices were unchanged for the major portion of the list and closely held. The only change noted last week took place in egg albumin and egg yolk, which continued to move upward with the higher cost of egg whites. Albumin was lifted 8 cents per pound and yolk 5 cents per pound. Technical was without change but firm at the advance announced a week ago.

In the chemical group market was firm, with contracts booked for next year requirements at current quotations. Idaho potato starch has been reduced fractionally, effective January 1, while Maine producers maintained quotations at former levels. Shipments of tapioca flour from Brazil was well held at prevailing quotations. Offers from Siam was limited and maintained at unchanged quotations. Sago flour continued scarce on spot and no improvement in the supply situation was expected until late January.

Tanning materials were quotably unchanged, reflecting the steadiness of primary markets. Buying interest lagged, but was expected to improve shortly after the turn of the year.

Cattle hide production in October was placed at 2,201,000 hides, compared with 2,157,000 in September by Tanners Council. Other skins output also was higher. Calf and whole kip skins totaled 890,000 against 827,000; goat and kid skins, 2,182,000 against 1,996,000 and sheep and lamb skins, 2,163,000 against 2,074,000.

World wool production in 1955 is estimated at 4,485,000,000 pounds, greasy basis, compared with 4,410,000,000 pounds in 1954. Most of the increase was reported in Australia, New Zealand and Union of South Africa. In the United States production was practically unchanged during the past five years. World wool consumption in the 1955-56 season started in October, is expected to be larger than the previous season when it totaled 2,520,000,000 pounds, cleaned basis. The current indicated production of raw wool is equivalent to about 2,600,000,000 pounds cleaned basis.

Price Trends

Advanced

Egg albumin, flake, 8c. per lb.
powder, 8c. per lb.
Yolk, 5c. per lb.

Reduced

Potato starch, Idaho, ¾c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
105.42	105.40	105.33	94.08

For Current Prices see Page 9

Chemicals

Bichromates—Production on sodium bichromate and chromate in October totaled 10,801 tons, compared with 9,982 tons in September and 8,452 tons, October last year, according to the Census Bureau. Stocks at producing plants were indicated at 3,407 tons, October 31 against 2,063 tons, September 30. Market continued firm at prevailing quotations. Interest was active for replacements after the turn of the year.

Sodium Acetate—Buying interest was quite active for delivery after the turn of the year. Prices were unchanged and steady.

Sodium Hydrosulfite — Condiitons remained unchanged and firm. Prices were well held for prompt and later delivery. Production in October was reported at 2,155 tons against 2,038 tons in September and 2,214 tons, October last year by the Census Bureau. Stocks at producing plants amounted to 1,851 tons, October 31, compared with 1,696 tons, September 30.

Sizing Materials

Albumin Blood—Steady tone prevailed in this market. Inquiry was quite active for early next year requirements. Prices were maintained at 65c. to 80c. per pound, according to quantity.

Corn Dextrin — Consuming inquiry continued keen for prompt requirements. Prices were without change and steady. Gum was quoted at $9.15 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.89; dark, $8.99 and white, $8.73, same basis. Smaller quantities were 15c. per 100 pounds higher.

Egg Albumin—Trend of prices continued upward due to the higher cost of eggwhites. Buying interest slackened as consumers preferred to await further developments in the market. Flake was lifted to $2.10 to $2.12 per pound and powder, $2.14 to $2.16 per pound, as to quantity. Technical remained firm and unchanged ranging from 83c. to 90c. per pound, spot depending upon quantity.

Egg Yolk—Trading was light, though consumers showed good inquiry for replacements early next year. Prices were stronger, advancing to $1.13 to $1.15 per pound, spot delivery, depending upon quantity.

Potato Starch — Feature of this market was the reduction of ¾c. per pound for Idaho starch, effective January 1. Carlots were quoted at 6c. per pound, f.o.b. mills to western points, with a freight allowance of 60 points to eastern destinations. Grinders in Maine maintained unchanged price of 5¾c. per pound carlots f.o.b. mills. Consuming interest was fairly active for prompt delivery but actual trading was slow. Supplies on spot were steady and unchanged at 8c. to 8¾c. per pound, exwarehouse, depending upon quantity.

Sago Flour—This market was strong reflecting the scarcity of available stocks on spot. Raw flour was firm at 7c. to 7½c. per pound and refined, 8½c. to 9c. per pound, exwarehouse, according to quantity and seller. Replacements were firmly held at 5¾c. to 6c. per pound, carlots, exdock for prompt shipment.

Tapioca Flour—Market remained firm, though trading was affected by the usual holiday quietness. Brazilian flour was maintained at 6.1c. per pound, carlots, exdock, prompt shipment and medium Simanese flour at 5.65c., same basis. Brazilian on spot was unchanged and steady at 7¾c. to 8¼c. per pound, exwarehouse, as to quantity.

Tanning Materials

Chestnut Extract — Business was quiet. Market remained unchanged and steady. Liquid 25 percent tannin was quoted at 4c. per pound, tankcars, f.o.b. works; powdered 60 percent tannin, 10.32c. per pound, bags, carlots, and 11.02c. bags, less carlots, same basis.

Cutch—Inquiry for prompt shipment was reported quite active. Shipments were maintained at 8½c. per pound, carlots exdock, plus duty.

Quebracho Extract—Business was inactive, though good inquiry was reported for prompt shipment. Solid ordinary guaranteed 63 percent tannin was held at 11 21/32c. and clarified 64 percent was 12 23/64c. per pound, exdock, plus duty.

Wattle—Conditions in this market were unchanged, and steady. Shipments were maintained at current quotations. Fair average bark was quoted at $98 per ton, carlots, exdock and merchantable, $94 per ton, same basis. East African extract was firm at 9⅞c. per pound and South African, 10c., carlots, exdock, plus duty.

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Color Max.	20Y/2R*	2.5Y/.5R*	1.5Y/.5R*	1.3Y/.4R*
F.F.A. (% as Oleic)	102—105	103—105	103—105	103—105
Acid Value	203—209	205—209	205—209	205—209
Sap. Value	204—211	204—210	206—210	206—210
Ash %	—	.001% Ash	.001% Ash	.001% Ash

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Oils, Fats and Waxes

Trading in oils and fats last week continued confined to edible oils, chiefly for export. Demand was active for cottonseed and soybean oils for export which caused prices to advance fractionally. This strength was reflected in corn and peanut which were also stronger.

Greece purchased 5,000 tons of refined soybean oil, January shipment; Chile, 3,600 tons prime summer yellow cottonseed oil, west coast, and 2,000 tons degummed crude soybean oil, Gulf coast (January shipment; Germany and Holland, 3,000 tons crude cottonseed oil, March, April, May shipment.

Tallow and greases remained steady despite quiet demand for export. Moderate trading took place for domestic delivery at prevailing prices. Offerings were not liberal and closely held. Lard was quiet, and steady. Oleo oil was firmer, with sales at higher levels. Oleo stearine was steadier and quotably unchanged. Olive oil continued strong, with trading at higher prices for spot delivery. This market reflected the firmness of replacements from producing centers.

Improved consuming demand for oiticica cleared the market of low price material and quotations were boosted one-half cent per pound. Tung oil also was more active and market remained firm and quotably unchanged. Buying interest in linseed oil lagged, but the market was firmer, advancing fractionally, with the higher cost of flaxseed. Brazilian castor oil continued strong, reflecting the firmness of replacements. No. 1 was firmly held at the recent advance for prompt delivery.

Price Trends

Advanced

Acid, linseed, fatty, 2 10c. per lb.
Oil, corn, crude, ⅛c. per lb.
refd., ⅛c. per lb.
Cottonseed, crude, ¼c. per lb.
refd., ¼c. per lb.
Linseed, 2 10c. per lb.
Oleo, ¼c. per lb.
Oiticica, ½c. per lb.
Olive, 10c. per lb.
Soybean, crude, ⅛c. per lb.
Tallow, edible, ½c. per lb.

Reduced

Cocoa butter, ½c. per lb.

Comparative Price Indexes

(100 1949 average)

Last week	Prev. week	Last month	Dec. 31, 1954
103.80	103.77	103.76	113.32

For Current Prices see Page 9

Vegetable Oils

Castor—This market was unchanged, but steady, reflecting the strength of castor beans and imported oil. Domestic grades were well he'd at current quotations. No. 1 Brazilian was firm at 14⅜c. per pound, tankcars, New York, prompt delivery.

Corn—Crude was firmer and sold at 12⅜c. per pound, tankcars, f.o.b. mills. Refined was higher at 15⅞c. per pound, tankcars, New York basis.

Cottonseed—Prices of cottonseed oil futures continued upwards last week, scoring fractional advances as a result of liberal export interest, and higher crude oil. March and May deliveries reached new highs for the current move while July and September made new seasonal highs. Trading continued active, with considerable new speculative buying and short covering supporting the market. Hedging was moderate and readily absorbed. Cash oil was firmer advancing to 15¼c. per pound, tankcars, New York, prompt delivery. Open interest was higher totaling 3,369 contracts. Continued active export demand featured crude oil, and prices were lifted ¼c. per pound. Sales were reported at 11⅜c. per pound, tankcars, f.o.b. mills in the Valley and Waco, and 11½c. was bid at Lubbock, Texas. The southeast was at 11⅞c.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, December 30, follow:—

	Sales	High	Low	Close
		Cents per pound		
Jan.	35	13.80	13.65	14.05@14.20
Mar.	238	14.20	13.90	14.20@14.24
May	283	14.29	13.94	14.29S
July	330	14.32	13.92	14.32S
Sept.	28	14.05	13.70	14.05S
Oct.	25	13.98	13.62	13.98S
Dec.	22	13.86	13.50	13.86S

Total sales, 961 contracts.

Memphis.—Crude cottonseed oil bid at 11½c. per pound, tankcars f.o.b. mills. Trading light. Cottonseed meal nominal at $58 per ton, sacked, Memphis; hulls, $5 per ton, bulk and $9 sacked, same basis.

Linseed—This market was quiet, but firmer with advance of flaxseed. Raw oil was raised to 13.1c. per pound tankcars, Minneapolis, January-August delivery, and 13.4c. ex warehouse. Deliveries against contracts continued in good request despite the holiday season.

Flaxseed—Market firmer, prices advancing 5c. per bushel.

Minneapolis.—Flax market continued strong at Minneapolis and crushers raised bids to $3.30 a bushel, spot and to-arrive, basis Minneapolis. Trade noted soaring futures prices, up 7c. at Minneapolis and 6c. to 11c. at Winnipeg. Reductions in flax crop estimates, both for the U. S. and Argentina, contributed to flaxseed strength. Export interest also developed in flaxseed, with the United Kingdom purchasing about 150,000 bushels and France expected in the market. Spot cash market purchases for the week amounted to only 9 cars, but to-arrive bookings increased following recent upturn in bids and totaled 45 cars and 25,377 bushels in trucklots.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts	Shipments	
	1955-56	1955-56	1954-55
Past week	329,000	124,250	101,500
Since Sept. 1	13,035,750	1,692,250	3,881,500

Oiticica—Improved demand stiffened the market and prices were higher at 14½c. to 15c. per pound, tankcars, New York, as to seller. Drums were advanced to 16c. to 16½c. per pound, depending upon quantity.

Olive—Local market continued strong, reflecting the firmness of replacements from abroad. Spanish oil on spot was higher with trading reported at $2.55 to $2.65 per gallon, drums, duty paid, according to quality and quantity.

Palm—Trading was confined to actual needs. Stocks on spot were light and held at 13¼c. to 13½c. per pound, drums as to quantity. Tankcars were unchanged at 11¼c., New York, for forward delivery.

Peanut—Crude was firm with light sales reported at 18½c. per pound, tankcars, f.o.b. southeast, nearby shipment, and 17½c. February. Refined oil was nominal at 22c. per pound, tankcars, New York, prompt delivery. The government offered peanuts to make about 15 tankcars of oil last week.

Rapeseed—Market remained steady and unchanged. Moderate trading was reported 16c. per pound, tankcars, prompt delivery and 15⅝c., February forward.

Soybean—Active trading, chiefly for export continued to feature this market. Prices were fractionally higher. Crude was held at 11¼c. per pound, tankcars, Decatur, prompt shipment with trading at 11⅛c., January-March and 11c., April-September, same basis. Refined salad was quiet and ranged from 13⅞c. to 14c. per pound, tankcars, New York, prompt, as to seller.

Soybean Oil Futures

Sales and prices of crude soybean oil futures in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, December 30, follow:—

	Sales	High	Low	Close
		Cents per pound		
Mar.	7	11.20	11.06	11.20S
May	16	11.17	10.99	11.17S
July	34	11.10	10.99	11.10S
Sept.	6	10.85	10.62	10.85S

Total sales, 63 contracts.

Tung—This market was firm with trading reported at 26¼c. per pound,

Oils, Fats and Waxes

tankcars, New York, prompt shipment. Offers were light and well held. Drums were maintained at 27¾c. to 28¼c. per pound, spot, as to quantity. Domestic oil was steady at 25¾c. tankcars, f.o.b. mills. Cincinnati CSS Commodity Office in addition to its offerings of 32 tankcars of tung oil January 3, will consider bids for an odd lot of 21,242 pounds stored at Fiorala, Ala. Bids should be on a stored basis.

Miscellaneous

Castor Beans — Shipments continued firm. Quotations were nominal at $123 to $125 per ton, f.o.b. Brazilian ports.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Pounds	
	Beans	Oil
Last week	6,212,550	5,722,000
Previous week	555,750	934,800
Corresponding week, 1954		
Total this year	83,089,460	54,209,300
Corresponding period, 1954	104,233,900	49,616,000

Cocoa Butter—Market was quiet and quoted nominally at 51½c. to 56c. per pound, spot, depending upon quantity.

Copra—Market was dull and nominal at $147.50 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—Trading was spotty, but the market remained steady. Yellow grease ranged from 7½c. to 7⅝c. per pound, tankcars, delivered, with trading at the lower figure. Choice white all hog was 8⅜c. bid and 8½c., asked and not all hog ranged from 8¼c. to 8⅜c., same basis.

Lard—Market was quiet and steady. Cash lard was quoted at 11.05c. per pound, drums, Chicago.

Oleo Oil—Extra was firmer with sales reported at 13¾c. per pound, drums, New York delivery. Oleo stearine was steady at 10½c. to 11c. per pound, barrels, as to quantity as to quantity.

Tallow—While business was light, a steady tone prevailed in the market. Bleachable fancy was sold at 8⅜c. per pound, tankcars, delivered and at ⅛c. less at outside points. Extra was unchanged at 8⅛c.; special, 7⅞c. and No. 1, 7½c. Edible was higher with sales at 9¼c. tankcars delivered and 9½c. asked. Export demand was slow. Guaranteed fancy was held at 9¾c., drums, f.a.s.

Fish Oils

Cod—Offers for shipment continued scarce and light trading was reported at 10⅞c. per pound, drums, exdock, with 11c. to 12c. asked in some directions. Consuming inquiry also was limited. Stocks on spot were scarce and nominal at 11½c. per pound, drums.

Refined Fish—Demand was restricted to actual needs. Light pressed was unchanged at 11c. per pound, tankcars, New York, prompt delivery and was shadabie. Crude menhaden oil was scarce and nominal at 8¾c. per pound, tankcars, works and 9c., f.a.s.

Fatty Acids

This market remained steady, with all varieties maintained at current quotations. Active demand continued for most materials for delivery against current contracts. Interest also was fairly active for requirements after the turn of the year.

Cake and Meal

Cottonseed Meal — This market continued firm though buying interest was limited to fill-in needs. Mills seem to be in a well so'd up position. Meal forty-one percent was offered at $56 per ton, Memphis, $55 Alabama, $58 Georgia and South Carolina mills for January shipment.

Linseed Meal—Market irregular, closing steady at former prices.

Minneapolis.—Linseed meal market was weak early, prices declining $1.50 to $2, but firmer undertone developed and prices returned to previous level. Strength was attributed to increased export interest as well as the fact that there was less re-sale meal pressing on the market. Extracted meal, 36 percent protein, was quoted at $56.50, bulk, Minneapolis, for prompt shipment; $56 for January-June. Expeller meal was unchanged at $62.50 for prompt shipment, $61.50 for January and $60.50 for February forward.

Shipments of linseed meal, in pounds, were as follows:—

	1955-56	1954-55
Past week	8,160,000	12,500,000
Since Sept. 1	236,621,000	253,220,000

Peanut Feed Meal—Last week the government offered peanuts to produce approximately 600 tons of meal. Sales were made at $55 per ton bulk and $58 sacked for forty-five percent protein. Production has not as yet reached a volume of any consequence.

Soybean Meal—Some processors have closed plants for the long holiday week end and do not plan to resume operations until January 2. Soybean consumption continued excellent and most mills are not pressing to sell. Forty-four percent was quoted at $51.50 per ton, bulk, for January; $52.50 February-March; $53.50 September, unrestricted billing basis Decatur, and at $52, bulk, f.o.b. Mississippi Valley points for January-March shipment.

Waxes

Beeswax—Firmness of crude wax continued to feature this market. Offers for shipment were scarce and held at current high levels. Refined grades were quiet, but steady at unchanged quotations.

Candelilla—Limited stocks on spot and for prompt delivery were firmly maintained. Crude ranged from 52c. to 53c. per pound and refined, 55c. to 56c., according to seller, buyer and quantity.

Carnauba—Trading was quiet as is usual at this season. All grades, however, remained unchanged and steady, especially yellow which was scarce on spot and for prompt shipment from Brazil.

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Eaton Chemical Announces Executive, Board Changes

Eaton Chemical & Dyestuff Company, Detroit, Mich., has elected Berrien Eaton chairman of the board, W. Thompson Tambke president, and Raymond F. McDonald executive vice-president and general manager.

Mr. Eaton joined the company in 1915, serving as president for thirty-six years. Mr. Tambke was formerly executive vice-president. Mr. McDonald was formerly vice-president.

Zirconium Production

—*Continued from page 4*

ing certain stages of production unless handled carefully.

Since the magnesium method had worked with titanium, the bureau began trying, with Dr. Kroll as consultant, to adapt it to zirconium.

When in 1948 AEC became interested in zirconium as a construction material and contacted the bureau's Albany laboratory, it found a pilot plant capable of producing about 3,000 pounds of sponge metal a year already operating.

Later, in cooperation with AEC and the navy's Bureau of Ships, equipment at Albany was enlarged to the point where more than 280,000 pounds of zirconium sponge was produced in a single year.

After AEC researchers paved the way, the Bureau of Mines began producing hafnium — a metal that occurs with zirconium and must be removed before the latter is suitable for atomic-energy uses. AEC soon discovered important uses for hafnium also.

Private Operations Begun in 1953

Private industry began producing zirconium and hafnium with the Kroll process in 1953 and, with assistance from bureau experts, increased its capacity for both metals so rapidly that by last May the bureau was able to put its own production plant in standby condition and concentrate on specific problems which so far have limited the use of these metals and their alloys.

Technology Awards

—*Continued from page 4*

for the Advancement of Science, meeting at Atlanta, Ga., December 29. Stressing the inadequacies of our educational system in providing sufficient numbers of well-trained scientists and engineers, he also accused management of failing to measure up to the opportunities that have faced it.

He said there has been too little attention devoted by industry to basic research and too much diverting of scientific talent away from research and toward administrative positions.

This, he said, has been done solely for the purpose of providing additional compensation. Companies prefer to follow this practice, he added, rather than face up to the human relations problem involved in paying scientists the same or higher salaries than administrators.

Great Britain

—*Continued from page 5*

estimated at 30,000 to 35,000 tons, will be more than three times that of 1953.

Output of polyvinyl chloride is likely to reach 55,000 tons this year, 25,000 tons more than in 1953. Polystyrene, which lost ground to other materials, declined to 18,000 tons in 1955 from 20,000 tons in 1954.

Exports of chemicals in 1954 rose to £204,000,000 from £177,000,000 in 1953. Based on nine-month totals for 1955, exports are likely to reach £230,000,000.

Although its domestic industry has been expanding, Great Britain must import chemicals to satisfy total demand. Imports have risen from £74,500,000 in 1952 to £101,612,644 in 1954, and are expected to be 14 percent higher in 1955, judging by nine-month figures.

Copper Quotas

—*Continued from page 4*

United States last year established an all-time record for peacetime uses of copper, despite a long work stoppage at domestic mines, smelters and refineries, the copper division of the Department of Commerce said last week. Estimates placed the year's consumption at approximately 1,486,000 short tons.

The division said that prospects for increased supplies of copper in 1956 appear encouraging, but are not likely to be fulfilled in the first half of the year.

New production at the Nevada properties of Kennecott Copper Corporation, and the new mine of Magma Copper Company at San Manuel, Ariz., are expected to add 7,000 tons per month to domestic supply of refined copper at full production.

HAPPY NEW YEAR—START IT IN CHURCH

PEBBLE MILLS—18"x24", 24"x24", 24"x36", 4'x5', 6'x4', 6'x8'—also 24x36 stainless, 24x18 rubber lined w. motors.

SCREENS—Great Western screen holders, Tyler 3x5 double deck Hummers, Robinson 60x90 double deck.

ROTARY DRYERS—12"x22', 39"x21', 44"x 25', 5'x50', 7'x80'.

VACUUM PUMPS—Nash Hytor MD673, 623, 1253, H-6, H-7.

BLOWERS—Spencer Turbo 150 cfm. 16 oz., 270 cfm. 24 oz., 1300 cfm. 16 oz.

CRUSHERS—20x4, 11x26 jaw, 18x18, 32x12, 32x16 roll, 24x24 & 24x36 single roll.

PRESSURE VESSELS—Steel—3'x8' & 9'x22' —150 PSI ASME Code.

BALL MILLS—5'x22" (tube) & Hardinge 2'x8", 4½'x16", 6'x22", 7'x48", & 7'x36" New.

PULVERIZERS—Mikro 2TH—15HP—Bauer 20" w 10 HP motors.

HAMMER MILLS—Jeffrey 24x30 Flextooth, 30x42" "Miracle", International Harvester model 1B w cyclones.

MIXERS—Stokes — 13 gal. & Lancaster EBG3 w motor.

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January Specials

Ertel 15" x 15" S S Filter Press—brand new
347 S S Tank 10½' x 21 8" x ¼". 13,000 gals.
Baker Perkins 100 gal. S S Mixer. 20 HP exp.
Day 5 gal. S S jktd. vac. Mixer, sigma arms
500 Gal. 316 S S Reactor complete—like new.
Tolhurst 48" S S' Centrifuge, exp. pf. mtr.
Sharples Super Centrifuge 316 SS 2 HP exp.
Gen American 42" x 120" twin drum dryer

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Devine ±12 & ±23 Vac. Shelf Dryers.
Stokes 2'x6' Rotary Vac. Dryer.
2—Allbr. Nell 4x9 Atmos Drum Dryers.
1—Buffalo Vac Drum Dryer. 24"x20"

CENTRIFUGALS AND CENTRIFUGES
4—Tolhurst 40" Suspended Type.
8—Centrifugals, 12" 20", 26", 30" 40" & 48" Steel, Copper, Stainless & Rubber
6—Sharples No. 5A Stainless & ±6.
2—De Laval Multi Clarifiers 300 & 301.

FILTERS
±2 Sweetland Filter 12 Stainless covered leaves
1—Vallez Filter ±49 with 41 Stainless covered 44½" dia. leaves.
Gen. Amer. 2'x1' Rotary Vac. Filter.
Sperry and Shriver 6" to 36" iron & wood.
Sweetland & Oliver Filters

KETTLES AND TANKS
Pfaudler 500 gal. Glass Lined Jack Reactor.
Pfaudler 250 gal. Glass Lined Jack. Kettle.
Dopp 350 gal. Agit. Jack Cl Vac Kettle.
2—Impreg. Units 30" & 36" dia. complete.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack. Steel Kettle.
1—250 gal. Lead lined Kettle.
Stainless, alum., copper. Glass lined, lead lined and steel kettles and tanks

PULVERIZERS AND MILLS
2—Mikro Pulverizers ±2TH & ±2SI.
Abbe 37"x30" chrome-mang. Ball Mill.
Patterson Pebble Mills. 6'x8' 6'x5' 30"x12".
Abbe 30"x30". Also ±6 Mills.
±1 Raymond Autom. Pulverizer, 20 HP.
1—±00 Raymond Mill, 30 HP complete.
2—±0000 Raymond Mills.
Sturtevant ±0. 18" hinged Hammer Mill.
Schutz-O'Neill ±1 & 20" Pulverizers.
Williams ±3 & 2XX Hammer Mills.
Ball & Jewell Rotary Cutters Lab & up.
Jeffrey 18"x18" single Roll Crusher.
Buchanan 5"x12" Jaw Crusher.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll W.C., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 9" x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
Houchin 18"x30" 4 Roll Granite Stone Mills.
2—U.S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS
Lancaster 6' dia. Vert. Mixer 25 HP.
Kent 3 HP. continuous dry mixer.
Baker Perkins double arm Mixers, 100 & 50 gals. Also single arm Mixers.
Blystone 3000± horiz. spiral mixer.
Day Brighton 20 gal. Change Can Mixers.
Read 50 & 100 gal. double arm mixers.
Read 80 qt. vert. mixer, 3 speed.
Orv. Simpson 20"x48" Rotex Sifter
Tyler 3'x5' Vibratory 2 deck Screen.
10—Dry Powder Mixers, 50 to 3,000±.
3—Day 8, 15 & 40 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 3 HP.
6—Lead and Paste Mixers to 150 gals.

MISC. AND SPECIALS
Kux 2½" dia. Tablet Machine.
Tablet Machines, Single Punch & Rotary.
Anderson & French Oil Expellers.
Kane 2 H.P. Gas Boilers, 200± pressure.
3—Stokes and Day Powder Fillers.
Filling Machines & Labelers.
Pneumatic Scale Automatic Capper.
1—Howe Mogul barrel and bag packer.
2—Worth 12"x12"x12" Vac. Pumps.
8—Devine, Buffalo, Stokes Vac. Pumps.
Conveyors & Elevators.
Soap Machinery for Toilet, Laundry, etc.
Centrif., Rotary, Duplex & Triplex Pumps.

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LIQUIDATION

Purchased 1953
Used 30 Days*

TANKS

1—Pfaudler 5'x18' Horizontal glass lined, 2500 gal.
1—Pfaudler 78" x 96" Vert. Glass lined 2300 gal.
2—1500 gal. 316 S S 5' x 9' Vert. 20 PSI.
1—7500 gal. 316 S/S clad 12' x 6' x 5'6" cone.
1—750 gal. 316 S S 5' x 5' cone bottom.
3—4' diam. 316 S S Conical Hoppers.
2—3' x 32" 316 S S Conical Hopers.
1—2' x 3' Horizontal Closed 316 S S.
1—2½' x 3½' Horizontal Closed 316 S S.
2—3' x 3½' Horizontal Closed Nickel Clad
2—7' x 11' Vert. Steel Brick & Lead lined.
1—7' x 7'4" Vert. Steel Brick & Lead lined 50 psi.
1—6' x 6' Vert. Steel Brick & Lead Lined.
1—4' x 5'6" Vert. Steel Brick & Lead lined, 50 psi.
4—4' x 8' Hor. Steel ASME 25 psi.
1—4' x 5'6" Hor. Steel ASME 25 psi.
2—3' x 7' Vert. Steel ASME 25 psi.

PUMPS—CENTRIFUGAL

1—Lawrence Vert. 316 S S 70 gpm 157' hd 20 HP.
1—Lawrence Vert. 316 S S 55 gpm 107' hd 7½ HP.
2—Lawrence Vert. 316 S S 50 gpm 107' hd 5 HP.
3—Karbate Series 5A 60 gpm 60' hd 5 HP.
9—Karbate new Impellers.
1—I.R. 1000 gpm Series 5CRVL 40 HP.
2—I.R. 1000 gpm Series 5CRVL 30 HP.
2—I.R. 650 gpm Series 5CRVL 30 HP.

CONVEYORS

3—Link Belt 316 S S 18" x 12', 18" x 10' 18" x 7' twin screw.
1—Link Belt Steel 10" x 16' twin screw.
9—Link Belt 12" Troughing Belt Conveyors 15', 20', 30', 35', 45', 50' open and closed with drives and motors.

REACTOR—CONDENSERS

3—4' x 13 closed 316 S S Reactors or Convertors with 109—3" x 6' 316 S S tubes 150 psi.
1—Pfaudler 250 gal. Hastelloy C Reactor.
2—Pfaudler Monel Heat Exchanger 62 sq. ft.
8—Karbate Heat Exchangers 188, 70, 16.4 sq. ft.

DRYERS

1—Buflovak 6'x5'6" Monel Drum Flakers NEW with drives and motors.
1—Rietz 30' "Thermoscrew" Conveyor Dryer 304 S S NEW with drive & motor.

MISCELLANEOUS

1—I.R. Jet Refrigeration Unit complete 208 Tons 65.5° F. to 60° F.
1—I.R. Jet Refrigeration Unit complete 136 Tons 50° F. to 45° F.
1—Patterson 7'6" Conical Blender Rubber lined with drive & 15 HP motor.
2—Buffalo-Forge Fans 10,000 cfm at 7" S.P., 20 HP motor.
20—Link Belt Reducers and drives from ¾ HP to 15 HP.

* All motors are 3 60 440 V. explosion proof.

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DRYERS

2—Link Belt Roto-Louvre 7'5" x 20', 3'10" x 12'.
2—Hersey 4'x30', 3'x20' S/S Hot Air Rotary.
2—Struthers-Wells 5'x15' nickel Rotary Vacuum.
2—Buflovak 42"x120" Atmos. double drum.
1—Buflovak 2'x4' double drum vacuum.
1—Stokes 138H Vacuum Shelf with 10—44"x40" shelves.
3—Devine double door Vacuum Shelf 17 and 20—59"x78" shelves.
3—Stokes Rotary Vac. 3'x15', 30"x8', 18"x42".
1—Devine Rotating Vacuum 5'x10'.
2—Louisville Rotary Steam Tube 38"x25', 6'x40'.
5—Rotary Dryers 5'x30', 5'x40', 4½'x50', 6'x40', 6'x74'.

MIXERS

8—Day "Cincinnatus" double arm 660, 250, 100 and 50 gals.
3—Baker Perkins 100, 50 and 2 gal. double arm, jacketed.
2—Sprout Waldron S/S jacketed Powder, 27 cu. ft.
9—Steel jacketed Powder 50, 225 and 350 cu. ft.
1—Struthers-Wells 6'x9' S/S. Rotating, jacketed.
1—Patterson 6' dia. Steel Conical, with 7½ HP motor.

MILLS

1—Patterson NEW 6'x8' Porcelain lined Mill 50 HP motor.
3—Abbe Paterson 6'x8' unlined Ball Mills.
1—Patterson 3½'x4' steel Ball Mill.
1—Mikro Pulverizer ±4TH.

CENTRIFUGES

1—Sharples PY-14, S/S Super-D-Canter.
2—Sharples C-20, C-27, Super-D-Hydrators, 316 S/S.
3—Sharples P16 Monel and S/S. Pressurtite Super Centrifuges.
1—AT&M 40" Suspended rubber covered, perforated basket.
4—Tolhurst AT&M 40", 36", 32", Suspended steel, stainless.
1—Bird 40" Suspended, rubber covered, imperforate basket.
1—AT&M 36" center-slung, rubber covered, perforated basket.
1—Tolhurst 26" suspended, rubber covered, perforated basket.

REACTORS, CONDENSERS, TOWERS, TANKS

1—2500 gal. 316 S/S jacketed, agitated Reactor.
8—4000 gal. 7'x14' Steel jacketed, agitated Kettles.
6—8000 gal. Steel Mixing Tanks with coils.
1—10'x16' Aluminum Tank, ½" shell, 10,000 gals.
2—Pfaudler 100 gal. glass lined, jacketed, agitated Reactors.
1—8500 gal. Horizontal Pressure Tank, 275± W. P.
2—10'x40', 10'x30' Horizontal Storage Tanks ½" shell.
5—S/S Towers 7'x25'6", 4'x30', 12"x14'.
25—Atmospheric S/S Heat Exchangers 715 & 477 sq. ft.
22—55 to 2400 sq. ft. S/S & Admiralty Heat Exchangers.

FILTERS

2—Oliver 8'x10' Monel Rotary Vacuum.
1—Swenson 4'x2' Nickel Rotary Vacuum.
1—Feinc 3'x1' S/S Rotary Vacuum String with Pumps.
1—Feinc 5'x3' Monel Rotary Vacuum String.
1—Niagara 110-20 Filter with 12 S/S leaves.
2—±3 Sweetland S/S Filters, 12-25" dia. leaves 75 sq. ft.
4—±3, ±5, ±7, ±12 Sweetland Filters.
4—Shriver 36"x36", 30"x30", c.i. Filter Presses, P&F, washing.

MISCELLANEOUS

1—Foster Wheeler Dowtherm Unit 4½ million BTU.
4—Orville Simpson Rotex Sifters 40"x120", 40"x84."
6—Robinson, Sprout Waldron S/S Sifters 40"x84", single deck.
7—Stokes ±DDS2 and "R" Tablet Presses.
1—Ball & Jewell ±2 Rotary Cutter.
7—Nash Vacuum Pumps ±H7, ±H6, ±L5, ±4, ±2.
2—Beechruss Model D Vacuum Pumps 50 cfm.
7—Durco S/S Centrifugal Pumps 1" to 3".

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3—Bartlett Snow 6' dia. x 3' deep Jacketed and Agitated Stainless Steel Crystallizing Kettles.

4—Jktd. St. St. closed—to 1300 gal.

35—Jktd. St. St. open top—to 550 gal.

5—Jktd. Aluminum, closed, 35 to 250 gal.

7—Jktd. Copper, open top, 80 & 100 gal.

2—Horiz. Steel Vacuum or Pressure Cookers, Agitated, 5000 gal. & 8500 gal.

MILLS

1—Mitts & Merrill Log Chipper.

1—St. St. Pug Mill, two 7" dia. x 39" L overlapping chambers, jacketed.

1—Patt. Fdy. "DJ" Unlined Jacketed Steel Ball Mill, 6' dia. x 8' long—UNUSED.

2—Pebble Mills, 6' D x 8' L.

4—Abbe Pebble Mills, 38"x42", 38"x48", 48"x42".

1—Al. Ch. 6' D x 16' L Steel Lined Contin. Ball Mill.

3—4'6" D x 12' L contin. Pebble Mills.

1—Hardinge 6' D x 22" L Conical Ball Mill, Steel liner.

1—Charlotte #50 Colloid Mill, 75 HP.

1—Penna. Ring Type Granulator, Trojan K3-24, 40 HP.

3—Fitz. Mills, St. St., D-6, F-8, & K.

5—Hammer Mills: Jeffrey 42x36 Gruendler 36x24; Jay Bee #4-W, 75 HP; Williams 14"x14"; Williams size A, St. St. and Aluminum.

1—Sturtevant 8x10 Jaw Crusher.

3—Attrition Mills, 30", 24" & 16".

2—Mikro Pulv. #2-DH & #2-TH.

MIXERS—BLENDERS

4—Readco Heavy Duty Double Arm Sigma Blade Jacketed Mixers, 50 gal. work. cap., 30 HP Expl. Pr. Motor. Built 1951-53.

4—Ribbon Mixers, 336 cu. ft. work. cap.

2—W&P Sigma Blade Double Arm Jacketed Mixers, 100 gal. work. cap.

2—Patt. Kelly St. St. Twin Shell Blenders, 5 cu. ft. work. cap.

7—Side Entering Stainless Steel Mixers, 10 HP to 25 HP.

4—Falk Vert. Agitator Drives #10-GDX, 10:1, 300 HP—UNUSED.

12—Turbo vert. drives #5B, 5:1, 40 HP.

PUMPS

10—Worthington 16" Everdur Centrifugal Pumps, 8000 GPM.

1—Ing. Rand #10-ALV Centrifugal Pump, bronze fitted, rated 3000 GPM @ 200'—UNUSED.

3—Centrifugal Pumps, 1000 GPM—50', 86' & 91' resp.

2—Ing. Rand #1½—CRVNL—all bronze Centrifugal Pumps, 2"x1½"—UNUSED.

12—Aurora All Bronze Turbine Pumps, models II-5, G-6, H-6—UNUSED.

2—Coffin steam turbine driven Centrifugal water pumps, 5"x3", 200 GPM @ 300#.

1—Vogt Steam Driven Vacuum Pump, 10x16x20.

2—Fuller-Kinyon 6" Pumps, 25 HP.

1—Byron Jackson Bronze Deep Well Turbine Pump, 20 HP, 150 GPM.

TANKS

1—St. St., T304, ⅛" 10,500 gal. Horiz.—UNUSED.

1—St. Clad. T304, ⅜", 6500 gal. Vert.

1—St. St. T316, 5/16", 4000 gal. Hor.

18—St. St. Pressure Tanks—to 4000 gal.

20—St. St. Storage Tanks—to 1000 gal.

12—Aluminum, 3000 gal., 5 compart.

10—Aluminum, 500 gal., 80# WP.

1—Monel 450 gal., coils; ¼".

PIPE & FITTINGS

1000'—St. St. Tubing, T347, 3" OD x ⅛" wall—USED.

150—St. St. Flanged Gate Valves, T302/304, 150#, 1½", 2", 2½", 3"—USED.

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CARPENTER 20 S.S. HEAT EXCHANGERS—(2) 240—1"x8' TUBES, STEEL SHELL, 500 SQ. FT.

BIRD CONT. CENTRIFUGE—36"x50" S.S. 304, COMPLETE.

BLENDER, 1500# CAP. ALL S.S., JACKETED, CENTER DISCHARGE, RIBBON, 10 H.P. MOTOR, 36"x6'6"x 42".

CHARLOTTE COLLOID MILL, ALL S.S. CONSTRUCTION, 3000 GPH, 40 H.P.

BALL MILLS—25 to 1,000 gallon.
CENTRIFUGE—Troy, 17", monel.
CONDENSERS—8, all monel, 50 sq. ft. Shell & Tube. Expansion Joint.
FILTER, ADAMS TYPE—12 carbon tubes, S.S. 304, 30" OD x 5'6".
HEAT EXCHANGERS—188 sq. ft. S.S. 304 tubes, steel shell; 25 sq. ft. all S.S.
MIKRO PULVERIZER — #2DH, Complete, New.
MIXERS, D. A. SIGMA—Jktd. Steel and S.S. 50, 60, & 200 Gallon.
MIXERS, DRY POWDER—400, 600, 1000, 1500, 2000 & 3000 lb.
ROTARY DRYER—4'6"x30', 5/16" Shell.
TANK—300 gal., monel, dished heads. Complete with Turbine agit. & XP motor drive, ASME.
TABLET PRESS—STOKES—RB-1, complete.
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5'x15' Rotary Vacuum Dryer.
30"x8' Rotary Vac. Dryer, Stokes.
1106-36 L. B. Roto Louvre Dryer.
502-20 L. B. Roto Louvre Dryer.
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7'6"x110' Rotary Kiln.
5'x20' Baker Rotary Cooler.
304 HP Kewanee Boilers 125 PSI.
2100 CFM Sullivan Compressor.
C27 Sharples SuperDHydrator SS.
19 cu. ft. Patterson Blender.
27 cu. ft. SS Powder Mixer.
250 cu. ft. SS Blender.
140 cu. ft. dbl. Paddle Mixer.
200 gal. Baker Perkins Churn.
5'x8' Kennedy Ball Mill.
100 sq. ft. SS Heat Exchanger.
550 sq. ft. Heat Exchanger steel.
1800 sq. ft. Heat Exch. Everdur.
8'x10' Oliver Rotary Filter.
2000 gal. Reactor, 200 PSI.
1300 gal. glass-lined Tank.
500,000 gal. Tanks, welded.
30,000 gal. Propane Tanks, ASME.
10,000 gal. Propane Tanks, ASME.
6000 gal. Propane Tanks, ASME.
6'x29' SS Column 21 trays.
5'x18' Scrubber SS lined.
Gyro Sifter, Robinson, 28A, SS.
19"x12' Karbate Column, NEW.
8'-5'-18" Gayco Classifiers.
100 gal. Xanthate Baratte.
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Pneumatic Scale high speed Auto. Cartoning Units, 30 and 60 per min.
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Baker Perkins 150 gal. Steam Jacketed Mixer and Dryer with Vacuum Dome, Jacketed Blades.
MRM Semi Auto. Stainless Steel Vacuum Filler.
Resina S and LC Cappers.
Fitzpatrick "D" Comminuter, 5 HP.
Mikro 3TH, 3W, 2TH, 1SH and 1F Pulverizers.
Lehmann high-speed 3 Roll Mill.
J. H. Day #3, 50 gal. Gearless Pony Mixer, 12 cans.
Day and Robinson 15 to 10,000 lbs. Dry Powder Mixers.
Day 650 gal. Steam Jacketed Jumbo Mixer.
Day, Rotex, Robinson, Tyler Hum-mer and Gayco Sifters.
Copper, Aluminum and Stainless Steel Jacketed Mixing Kettles.
Stokes and Smith Auger Transwrap.
Filler, Hope and Elgin Piston Fillers, all sizes.
Triangle Elec-Tri-Pak Fillers, all models.
Stokes and Smith G1, G2, G6 and HG88 Auger Powder Fillers.
Ceco and Jones Carton Sealers.
Standard Knapp 429 Carton Sealer.
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3—Day 15 gal. Pony Mixers, m.d. S.S. cans.
2—Haskins Cap Tighteners, m.d.
1—4TH Mikro Pulverizer 60 HP, tefc.
2—Stainless Steel Hersey Rotary Dryers, 5'x26' and 6'x23'.
2—8'x125' Rotary Kilns.
3—Buflovac 42x120, 32x120 Atmos dbl. Drum Dryers, complete; 1—American 24x36.
2—54"x70" and 1—40"x60" Bird Continuous Centrifugals, S/S Solid bowls.
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9—Sperry 18"x18" Filter Presses, 11 ch.
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FTC, Justice Dep't

—*Continued from page 3*

clouds on the economic horizon. Since January, 1951, over 3,000 concerns have disappeared through mergers, it was stated, with the tempo increasing each year to a point where at the end of 1954 corporate mergers were being consummated at a rate triple that in the year 1949.

Referring back to the report of the Federal Trade Commission on the merger movement, issued last May, the subcommittee added:

"To a large extent this merger activity is due to large corporations buying up small businesses, not to small businesses consolidating in order to compete more effectively with larger concerns in the industry.

"Indeed, in all but two of the twenty manufacturing and mining industries for which the FTC published data in its 1955 merger report, companies with $10,000,000 or more assets accounted for more than half of the acquisitions.

"Merger activity has been most marked in the machinery, food, chemical, fabricated metals, transportation equipment, and textile industries. It has not taken place at an extreme rate in some of the more heavily concentrated industries due principally to the fact that when an industry becomes highly concentrated there are only a few small concerns that are available for purchase.

"The Celler-Kefauver anti-merger act adopted on December 29, 1950, was designed precisely to limit future increases in the level of economic concentration resulting from corporate mergers and acquisitions. However, enforcement activity by the FTC and the Department of Justice has been negligible for the most part.

"These agencies have filed all told but eleven merger cases since the passage of the Celler-Kefauver anti-merger act almost five years ago. Viewed against the backdrop of over 3,000 corporate mergers, this paucity of proceedings indicates to the subcommittee that the Department of Justice and the Federal Trade Commission have made but a token gesture at enforcement.

"Indeed, it appears to the subcommittee that both enforcement agencies have failed to execute the provisions of law promptly, vigorously, or effectively.

Work Hampered by Lack of Funds

"The subcommittee recognizes that merger enforcement activity has been seriously hampered by lack of sufficient funds which has prevented the Department of Justice and the FTC from assigning more than a corporal's guard of attorneys and economists to merger work.

"The merger movement is too widespread and too pervasive for anything less than a full-scale, concentrated enforcement effort to produce adequate results and adequate results can be accomplished only if necessary funds are made available.'

"The subcommittee recommends that the congress make a substantial increase in its appropriations to the Department of Justice and the FTC, with the increase earmarked specifically for merger work."

Additive Curbs

—*Continued from page 3*

closer control can be maintained over these drugs to keep them out of the illicit trade. The Bureau of Narcotics has been working on the measure for several years.

Closer Control Over Barbiturates

Also, it may be expected that some kind of legislation for closer federal supervision over the distribution of barbiturates and amphetamines will grow out of the several investigations by senate and house committees into the matter of juvenile delinquency and narcotic addiction.

Food and Drug Administration is preparing a bill to greatly enlarge its policing powers over these drugs (OPD, 12/12/55) so that it can make seizures on the grounds of illegal possession and can trace shipments from manufacturers through the retailer by inspection of records. The bill may be ready sometime later this month.

Plans to greatly expand government research in health problems already have been announced by HEW Secretary Marion Folsom. The government has also indicated that it intends to continue its program for financing the polio vaccine program beyond its current February 15 expiration date.

Legislation dealing with tariffs and trade is also high on the list of things to watch in the new session. While amendments to the trade agreements program as such are not slated to come up again until 1958, when the present law expires, President Eisenhower is expected to make a real drive to get action this year on the Organization for Trade Cooperation.

Renewed efforts to pass H. R. 6584 relating to foreign valuations and conversions of foreign currencies, which is now before the senate finance committee, also probably will be made.

President Confers on OTC

To get action on OTC, Mr. Eisenhower has had conferences with leaders of both the senate and house as well as with Rep. Jere Cooper, chairman of the house ways and means committee, who introduced the bill for the President late last session. Mr. Cooper has promised to hold early hearings on the measure this year, but the matter of taxes is also demanding early attention of his committee.

Another topic of immediate interest is the Harris gas bill (H. R. 6645) which proposes to exempt independent natural gas producers from rate regulation by the Federal Power Commission.

This bill has passed the house and, if it can get through the senate without amendment, it will be signed by the President. If it is amended by the senate and forced into conference, however, it is doubtful if it will ever be finally passed.

Senate committees will devote much time to the depending bills for disposal or enemy property seized during the war, including the proposal for selling General Aniline & Film Corporation, New York, in advance of a court decision on its rightful ownership.

Also scheduled for consideration by the lawmakers is legislation to revise the transportation act and the question of amending the antitrust laws.

It appears very doubtful, however, whether any of these bills will be passed this session because the major controversies surrounding each of them.

Employment of WOC Personnel

The question of government employment of industry experts without compensation (WOC's) also will be the source of much debate and could very well wind up in congress imposing new restrictions. However, it is generally felt that there is more politics involved in this subject than there is merit to the charges that have been made.

Other matters that will engage the attention of industry and the legislators alike include the question of mandatory farm price supports; government competition with private industry; government reorganization along the lines of the Hoover Commission recommendations, and sale of the last of the government's rubber producing facilities at Institute, W. Va., to Goodrich-Gulf Chemicals, Inc., Cleveland, Ohio.

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Advertisers Index

Aaron Equipment Company..... 61
American Agricultural Chemical Co., The.. 1
American Flange & Manufacturing Co., Inc.. 13

Baker, J. T., Chemical Co.....1, 42
Barclay Chemical Company, Inc..... 62
Bareco Oil Co..... 57
Barrett Division, Allied Chemical & Dye Corporation 40
Benzol Products Company. 49
Berkshire Chemicals, Inc..... 49
Better Finishes & Coatings, Inc..... 31
Bios Laboratories, Inc..... 46
Bower, Henry, Chemical Mfg. Co..... 34
Bowman, Charles, & Co..... 47
Brill Equipment Company..... 59
Brode Corporation, The..... 57
Brown-Allen Chemicals, Incorporated..... 64
Browning Chemical Corporation..... 23

Carbide & Carbon Chemicals Company, Division Union Carbide & Carbon Corporation 2, 39
Celanese Corporation of America, Chemical Division 64
Chemical & Process Machinery Corp..... 61
Chemical Service Corp..... 62
Chemical Solvents, C. P., Incorporated..... 64
Chemirad Corporation..... 39
Chemsol, Inc..... 62
Church & Dwight Co., Inc..... 30
Coal Chemical Sales Div., United States Steel Corp. Subsidiaries..... 41
Columbia Southern Chemical Corporation... 30
Commercial Solvents Corporation..... 6
Connelly, Inc..... 41
Consolidated Products Company, Inc..... 60
Consulting Chemists and Engineers..... 58
Continental Oil Company..... 20
Corn Products Refining Company..... 47
Cornwell Chemical Corp..... 64
Coupe, Robert A..... 34
Croda, Incorporated..... 57

Dammann & Co., Inc..... 51
Dicalite Division, Great Lakes Carbon Corporation 52
Dickerson Company, The..... 36
Dreyer, P. R., Inc..... 15
Dunkel, Paul A., & Company, Inc..... 46

Emery Industries, Inc..... 56
Equipment Clearing House, Inc..... 59
Erie Casein Dryers..... 53

Fairmount Chemical Co., Inc..... 39
Felton Chemical Company, Inc..... 51
Fezandie & Sperrle..... 54
Fine Organics, Inc..... 49
First Machinery Corp..... 60
Florasynth Laboratories, Inc..... 50
Food Machinery & Chemical Corporation Chemical Divisions..... 29
Fritzsche Brothers, Inc..... 50

Gas Purifying Materials Co., Inc..... 34
Gelb, R., & Sons, Inc..... 61
General Tire & Rubber Company, The..... 34
General Traders, Inc..... 61
Greeff, R. W., & Co.....1, 30
Gross, A., & Company..... 57

Halby Chemical Co., Inc..... 34
Harchem Division, Wallace & Tiernan, Inc.. 39
Harshaw Chemical Co., The.....11, 38
Heat & Power Co., Inc..... 60
Heyden Chemical Corporation..... 43
Hoffmann-La Roche, Inc.....8, 27, 45
Hooker Electrochemical Company..... 34
Hutchinson, D. W., & Co., Inc..... 50

International Hormones, Inc..... 46
International Minerals & Chemical Corporation 19

Kolon Trading Co., Inc..... 39

Lawler Company..... 59
Lemke, B. L., Co., Inc..... 46
Lever Brothers Company..... 38
Lithium Corporation of America, Inc..... 18
Loeb, H., & Son..... 61
Loeb Equipment Supply Co..... 61
Lucidol Division, Wallace & Tiernan, Incorporated 38

Maas, A. R., Chemical Co., Division of Victor Chemical Works..... 35
Machinery & Equipment Corp..... 61
Magnus, Mabee & Reynard, Inc..... 50
Mallinckrodt Chemical Works..... 52
Mantrose Corporation, The..... 52
Mathieson Chemicals, Olin Mathieson Chemical Corporation..... 46
McKesson & Robbins, Incorporated..... 43
Meer Corporation..... 44
Michigan Chemical Corporation..... 47
Mutual Chemical Division, Allied Chemical & Dye Corporation..... 55

Newman Tallow & Soap Machinery Co., Inc. 60
Niagara Alkali Company..... 25
Nitrogen Division, Allied Chemical & Dye Corporation 35, 39

Olin Mathieson Chemical Corporation Industrial Chemicals Division..... 46
Orbis Products Corporation..... 46

Pacific Coast Borax Co..... 1
Parsons-Plymouth, Inc., M. W..... 53
Penick, S. B., & Company..... 44
Perry Equipment Corp..... 60
Pfaltz & Bauer, Inc..... 46
Philipp Brothers Chemicals, Inc..... 55
Polak & Schwarz, Inc..... 51
Potash Company of America..... 35
Prior Chemical Corporation..... 1
Process Plants Service, Inc..... 60
Procter & Gamble Co..... 38
Publicker Industries, Inc..... 10
Purocaine, Inc..... 49

Quaker State Oil Refining Corp..... 37

Raney Catalyst Co..... 41
Read, Chas. L., & Co., Inc..... 34
Richmond Mica Corp..... 54
Richter, Gedeon Pharmaceutical Products, Inc. 48
River Plate Corporation, The..... 57
Robeco Chemicals, Inc..... 64

Sergeant, E. M., Pulp & Chemical Co., Inc... 36
Sharples Chemicals, Inc..... 1
Sheffield Chemical Company, Inc..... 53
Shell Chemical Corporation..... 17
Shell Oil Company..... 37
Sigmamotor, Inc..... 62
Foster D. Snell, Inc..... 64
Spencer Chemical Company..... 39
Standard Collapsible Tube Co..... 54
Stein Equipment Co..... 59
Strohmeyer & Arpe Co..... 56
Sunkist Growers, Inc..... 21
Swift & Company..... 56
Synthetic Products Company..... 54

Tennessee Corporation 31
Texas Gulf Sulphur Co., Inc..... 35
Thurston & Braidich..... 49
Todd, A. M., Company..... 50
Tragacanth Importing Corp..... 49

Ungerer & Co..... 51
Union Carbide & Carbon Corporation, Carbide & Carbon Chemicals Company Division 2, 39
Union Standard Equipment Co..... 60
United States Potash Company, Incorporated 36
U. S. Steel Corporation Subsidiaries, Coal Chemical Sales Div..... 41

van Ameringen-Haebler, Inc..... 51

Will & Baumer Candle Co., Inc..... 57
Wood, Alan, Steel Company..... 41
Wyandotte Chemicals Corporation..... 36

Zink & Triest Co..... 51
Zinsser & Company, Inc..... 55

TVA Stressing

—Continued from page 3

parison, commercial mixed fertilizers in the country average about 27 percent plant nutrient.

The diammonium phosphate was immediately placed in the channels of TVA's agricultural education programs, operated in conjunction with land-grant colleges in thirty-five states, it was added.

"TVA produced about 350,000 tons of major nitrogen and phosphate fertilizers at its Muscle Shoals plant," the report stated. "Most of the material was distributed in thirty-five states through the experimental sales program to be used by farmers in keeping with recommendations of the state agricultural colleges. Some was used in farm test-demonstrations in the seven Tennessee Valley states and thirteen other states."

Production of concentrated superphosphate amounting to 89,696 tons was down 14 percent from 1954, TVA reported, adding that this reflected the declining emphasis placed by the agency on this product in the light of wide acceptance by farmers and large-scale output by private industry.

Production of calcium metaphosphate increased 16 percent to 65,799 tons. Ammonium nitrate production increased slightly to 192,375 tons. Diammonium phosphate output, which began in April, amounted to 2,994 tons.

Growth of Concentrated Superphosphate

The report said that concentrated superphosphate, on which TVA spent its early efforts in order to improve manufacture by the electric furnace method, now has a broad and growing market. The increased demand for this material has caused private industry to nearly double its capacity in the past five years. TVA is sharply curtailing its production of this material.

The report also that the value of another fertilizer product, fused tricalcium phosphate, has been established and that TVA, therefore, has discontinued manufacture of the material and sold the plant in which it was developed.

"As part of the national defense function of the development center, TVA personnel operated and maintained the phosphate development works of the United States Army Chemical Corps at Muscle Shoals, which produces an ingredient of nerve gas. TVA for several years has assisted the army with research in connection with the project," it was revealed.

The farm test-demonstration program which TVA conducts in cooperation with the extension services was greatly reduced during the year owing to limitation of funds. TVA said that the result "inevitably was to lessen the impact of the program on a national scale, (but) it remained an effective educational device for introducing new fertilizer materials and influencing farmers in their most productive uses."

At the end of the year 3,012 farmers were participating in the program including 119 farmers in several areas where special watershed improvement projects were underway. This was a decrease of 233 farms during the year. About 548 new test-demonstration farms were established, while 781 were dropped from the program chiefly because they had taken part for the usually specified time of five years.

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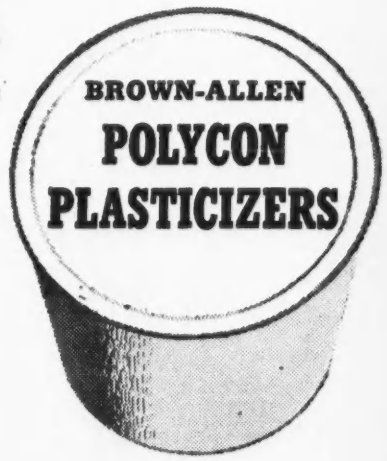

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